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10 October 2024
Version 1.529

Title word cross-reference

(2, 2) [KSSY12, LTC+15b]. (K, N) [Bai10, YC11]. (n, t, n) [LHYZ12]. (t, n) [QD16, ZPWY12]. 0 [XHX+17]. 1 [XHX+17]. 1, 2, 3 [SMDS11]. **$100** [Sch16a]. 11 [LJ17]. 13 [Blo15]. 2 [AM19, DBPS12, EAA+16, ESS12, JR13, MCDB12, PGLL10, WK18, WY12]. 22 [MNP12]. 2^k [Sun16]. 3 [AP10, Bro19, CG12b, DWWZ12, FWS13, GZHD12, GH11a, KWS+12, LJ17, LJ15, MKH+12, RS16, SS10b, SS12a, SGS14, WSSO12, tWmC12, YT11a, YI14, YPRI17]. 32×32 [SA14]. 3×3 [ÁMVZ12]. 4 [COP+14, DWZ12, HLYS14]. **$49.00** [Sch15a]. 5 [YN19]. 8 [LPO+17, ZSH+19]. **$9** [APPVP15]. = [JJUW10]. + [PYH+18]. ^{2} [YNX+16]. ^{3} [LHM14]. ^{MT} [HRB13]. α [TTL10]. c [KRDH13]. d [QD16]. $d \times d$ [KA17]. ℓ [ZTL15]. $F_p + \nu F_p$ [WGF16]. γ [DWZ12]. GF(2)[x] [SF12]. GF(2^m) [HJ19, SKH15]. GF(2^n) [LBOX12]. K [FXP12, FR16, CHX13, SG19a, XMY+17, XLP+18, ZZC17, ZHT16]. $L(1/4 + o(1))$ [Jou13]. M [MMSD13, ÖŞ11]. $\mathbf{F}_{36509}$ [AMORH13]. $\mathbf{F}_q$ [SS13]. $\mathcal{NP}$ [HN10]. GF(2^4)^2 [GM16b]. GF(2^8) [GM16b]. GF(q) [LPdS10]. LWE [BV14]. μ [Jia14a]. N [FR16]. $n \times k (k \geq n/2)$ [MC11]. $O(d13^d)$ [KA17]. $O(n^2)$ [KS11]. P [DG17, GT19]. π [EHKSS19]. ± 1 [HZW+14]. q [CZCD18, GMS11]. S [LJ15]. t [HJM+11, Oba11]. w [Kre13].

-ary [CZCD18]. **-band** [MMSD13]. **-Bit** [LPO+17, ZSH+19]. **-boxes** [LJ15]. **-Cheater** [Oba11]. **-Cipher** [EHKSS19]. **-D** [AM19, MCDB12]. **-dimensional** [DWZ12, QD16]. **-Diversity** [ZTL15]. **-Encoded** [DG17]. **-Encoding** [XHX+17]. **-Means** [KRDH13, SG19a]. **-Multiple** [LTC+15b]. **-nearest** [XMY+17]. **-NN** [ZZC17, ZHT16]. **-Party** [JR13]. **-private** [HJM+11]. **-Round** [COP+14, LJ17, Blo15]. **-SDH** [GMS11]. **-Security** [Jia14a]. **-spotty** [ÖŞ11]. **-trimmed** [TTL10].

.onion [Boy16].

0.13um [KLM+12].

1 [AAE+14, Ano15b, BH15, Bar16a, CGCS12, Con17, Ful10, MSas12, SKP15]. **1-58488-551-3** [Ful10]. **'10** [Ano10a]. **1024** [Bro17, Win17]. **10Gbps** [PRGBSAC19]. **10th** [LTW11, Pie10, Sah13]. **11th** [GG10, Lin14b]. **128** [LJ18, LYD+18, TSLL11]. **128-Bit** [GV14b]. **12th** [BC11, LH10a]. **13-round** [TSLL11]. **13th** [Che11]. **15th** [Dan12, FBM12]. **16** [ZAG19]. **160** [MMKP16, WLC12]. **16th** [Abe10]. **17th** [LW11a, Wes16, Ano10a]. **18th** [MV12]. **192** [Blo15]. **1st** [CGB+10].

2-Party [BBKL19]. **2-torsion** [HR19]. **2.0** [NVM+17, PC16]. **2000** [ZC12]. **2003** [Sha10]. **2008** [Mei10]. **2010** [Ano10a, Ano11b, CGB+10]. **2011** [Gre11, LCK11]. **2013** [IEE13]. **2015** [IEE15]. **2016** [MSH+16, Wes16]. **2018** [Ten18]. **2019** [TBL19]. **21st** [IEE13, JY14]. **23nd** [MSH+16]. **256** [AKY13, App15, MAK+12]. **25th** [TT18]. **26th** [TBL19]. **29th** [Gil10]. **2D** [HIDFGPC15].

3 [ABM+12, BD15, jCPB+12, Ful10, LC17, Mor19a, NIS15]. **30th** [Rab10]. **31st** [PJ12]. **384-bit** [MMN12]. **3GPP** [FPBG14].

4 [Jac16, YYO15]. **42-step** [AKY13]. **4765** [ABC+12]. **4G** [FMA+18]. **4th** [Yan11].

5/3 [Ara13]. **512** [GV14b]. **512-bit** [APPVP15]. **51st** [IEE10]. **52nd** [IEE11b]. **5G** [BBTC20, CML+18, FMA+18, GLL16, PSM+18, SAM+18, YHSW19]. **5G-based** [BBTC20]. **5th** [BYL10, vDKS11].

6 [Ano17b, Bai12, Mur10]. **64/128** [LJ18]. **65th** [Nac12]. **6LoWPAN** [BNNH19].

72 [HYS18]. **768-bit** [KFL+10]. **795-bit** [BGG+19].

8.8/11.2 [GLIC10]. **800** [MMKP16]. **800-160** [MMKP16]. **802.11** [FLH13, ZBR11]. **802.11s** [BOB13]. **802.15.4** [NBZP17]. **802.16e** [CL11]. **802.16m** [FZZ+12]. **85** [WZM12a]. **85th** [RNQ16].

959 [ÁCZ16]. **978** [Ano15b, Ano17b, Bai12, Mur10]. **978-0-691-14175-6** [Ano17b]. **978-0-8218-8321-1** [Sch15a]. **978-1-4200-4757-8** [Joh10]. **978-1-78548-004-1** [Ano15b]. **978-1-84832-615-6** [Bai12]. **978-3-540-49243-6** [Mur10]. **9798** [BCM12, BCM13]. **9th** [Cra12, GLIC10, HWG10].

AAA [BT18, MLM16]. **AAA-based** [MLM16]. **AAoT** [FQZF18]. **Abandon** [Loe15]. **ABE** [FJHJ12, HQZH14, HLC+19, OSNZ19, QZZ18, TY16a, YMC+17, ZSW+18b]. **abelian** [CDSLY14, HWS+19, LR15, Sch19b]. **ability** [WS12]. **abnormal** [AKM+15]. **ABO** [ZYY19]. **ABO-LTFs** [ZYY19]. **Abort**

[EFGT18]. **absence** [AGH+17]. **Abstract** [Bul10a, CFR11, MZ17b]. **Abstraction** [HZS+19]. **absurd** [Fai19]. **abuse** [JSMG18a, QRW+18]. **Abusing** [VWC19]. **Academic** [NSP+18, SDC+17]. **Accelerate** [Roh19]. **Accelerating** [AVAH18, CMO+16, DOS15, SKH15, XZL+19]. **acceleration** [BYDC19]. **Accelerator** [LLD19, MSR+17, MRL+18, ÖDSS17, PC16, WOLP15, PÁBC+19]. **Accelerators** [AW15, AW17, GP17, HKL+14, OSH16, BAB+13, KKJ+16]. **accelerometers** [ZZL+18]. **ACCENT** [PP11]. **Acceptance** [SPM+13]. **Access** [AMSPL19, AWSS17, BFK+10, CO11, CGH11, DLZ+16b, FCM14, GRRZ18, HLC+18, HP12, LGLK17, LPL15, MSI18, MK12b, NA10b, PV17, PB12, QZL+16a, RSN14, SGC14, SC12, WS13, XMLC13, XHZ+19, YTH17, YSS14, ARL13, ATKH+17, ACK+10, AMHJ10, BBTC20, BCGS16, CLH+16, Cra11, DFJ+10, FNWL18, FS18, HZL18, HK17, JAS+11, LCL+17a, LCL+15, LLH17, LHH+18, MDHM18, MLM16, NZM10, NAL17, QCX18, RR17, Shy15, Tan12b, TODQ18, Wan18a, WS12, XHH12, XYML19, YWJ+19, ZZ15, ZML17, ZDHZ18, ZVH14, ZDW+16, ZWS+18, ZFH+18, ZZL+18]. **Access-Control** [LGLK17]. **AccessAuth** [TODQ18]. **accessing** [CSD18, KCS+18]. **Account** [Bro11]. **Accountability** [KS18a]. **Accountable** [SCGW+14, XHZ+19, YMC+17, Wan18b, ZZ12]. **Accumulable** [SEXY18]. **Accumulating** [DGL19]. **accumulator** [KYH18, LZY+16]. **accumulator-based** [LZY+16]. **Accumulators** [PTT16, JCL+18]. **Accuracy** [CC14, Sar10a]. **Accurate** [HD19, SM19a, VTY18, HQY+16, WYZ+17]. **ACE** [YM19]. **Achieve** [BBC+13, Tan15a]. **Achieved** [YM16, Con17, Goo12]. **Achieving** [BN14, JLC18, KTUI16, LW12, Pan14, PH12b, SLZ12, TK19]. **ACIS** [Ano11a]. **ACM** [ACM10, ACM11, Orm16]. **Acoustic** [DLMM+18, GST13]. **ACPN** [LLG15]. **Across** [LQD+16, HWZP18, HFS+19, TYK+12]. **activation** [BCND19]. **Active** [LJ15, LHW18, VSB+19, WJ19, AGLW16, BAB+13]. **Activities** [HWZZ19, DIMT12]. **Activity** [NTKG17, uHAN+18]. **Ad** [LH12, PD14, She14, SS15, XHC+12, BBB19, KM10b, LXJ14, PY19, SGGCR+16, WXSH19]. **Ad-Hoc** [PD14, PY19]. **Adam** [Bar12]. **adaptation** [MCRB19]. **adapted** [IMB17]. **Adaptive** [ACKB19, CT11a, zGXW12, GLG12, HZW+14, HXHP17, HLAZ15, IAD10, Jin10, KD12a, Lin15, PWLL13, PMG+19b, SOS15, VFFHF19, CLP+13b, dCCSM+12, dCCSB+16, DRN16, EEAZ13, FXP12, GKCK11, GLM+16, KS11, LHM14, LWW+10, PC14, SH11, Wan13, WKH11]. **Adaptively** [HP14, OT12, LJY16]. **adaptively-secure** [LJY16]. **adder** [MS13a]. **Adding** [CFVP16, CSL+14]. **Additive** [TM18, ZDL12, YJC18]. **Additively** [Mor19b, PKTK12]. **Address** [Bel15, WLY17, PSJ+13]. **addresses** [AZH11, CBL10]. **Addressing** [SVG16, SRB+12, VKK+19]. **Adelson** [BBB16b]. **Adelson-Velskii** [BBB16b]. **adjacency** [SA15]. **adjacent** [Kre13, Khl18]. **adjustable** [BWR12b]. **adjustments** [GSGM16]. **Administering** [Pal16]. **administration** [ZVH14]. **Adoption** [LKKL13, YWK10b]. **Advance** [KMJ18]. **Advanced** [Böh10, CSYY18, DR10, SXH+19, TC10, WRP70, YWF18, ALL+18, DDFR13, GLIC10, Kra12, MKRM10, NdMMW16, SKK10]. **Advances** [LLK18, PHWM10, WP15, IAA+19, Abe10, Gil10, LW11a, PJ12, Rab10]. **Advantage** [WSSO12]. **Adversarial** [BAG12, GA19, BCND19, BJR+14]. **Adversaries** [BC14, BZD+16b, XTK10]. **Adversary** [Yon12, KS11, LXLY12, OSNZ19, ZPWY12].

Advert [MT17]. **Advertisement** [Ano16j, AMHJ10]. **Advertises** [AHS13]. **AEP** [LZD+19]. **AEP-PPA** [LZD+19]. **AES** [ARG19, ABO+17, BW16, BBBP13, BKR11, BB10, DGP10, FAA+18, FLYL16a, FLYL16b, GLMS18, GM16b, HMKG19, HF14b, LB13, Mar10c, MM14b, PBCC14, RMTA18, SY15a, VGA19, WJ19, YWF18]. **AES-Like** [BW16, WJ19]. **AET** [HTC+15]. **Affiliation** [XLM+12, XGLM14, XZLW15]. **Affiliation-Hiding** [XLM+12, XGLM14, XZLW15]. **Affiliations** [VKK+19]. **Affine** [BCEM15, LYL+18, GZHD12, ZWM14]. **affine-transformation-invariant** [GZHD12]. **Afraid** [Par12a]. **Africa** [BL10]. **Africacrypt** [BL10]. **after** [Sch18]. **Against** [Ano17e, BVS+13, BCHC19, BL15, BL16, CW12b, CMA14, DZS+18, DL17, FDY+19, GDLL18, GDCC16, HCETPL+12, HLC+19, KMZS19, MSS+18, MWES19, Sch13, SGH15, SLY+16, WSA15, AATM18, ASBdS16, AYSZ14, BBBP13, BD18, BVIB12, BPR14a, BPR14b, BFK16, BSR+14, BK12b, BH19, Bud16, BCFK15, CKHP19, Che15, CG14a, CGCS12, CBJY16, CGH17, DHLAW10, DK17, Dya19, EWS14, FTV+10, zGXW12, GSC17, HLLG18, HYL+19, JSMG18a, JHHN12, LDC13, LHM+10, LGL+12, LLY+12a, LWCJ14, MCL+19, Maf16, MBP19, MD12b, MNP12, NDNR13, OF11, OSNZ19, QRW+18, SBM15, SEY14, SY15b, SD12, TLL13, WHN+12, Yon12, ZLQ15, ZHS+19, vV16]. **Age** [Bla12, SR14, Lan17, Sto12]. **Aged** [Ree15]. **agency** [Ald11, Kum10, ABJ13]. **agent** [GPVCdBRO12]. **Aggregate** [CCT+14, PSM17, WCD19, GLB+18, LLY15, LLL+18, ZQWZ10, ZDHZ18, CLW16]. **Aggregated** [NLY15]. **Aggregated-Proof** [NLY15]. **Aggregating** [DP12]. **Aggregation** [ARWK19, BJL16, EKOS19, LHKR10, SP15b, YM18, ZHW+16, DXWD16, DZC16, GLM+19, RR17, WMYR16]. **Aging** [SKV12]. **Agnes** [Bur11, Joh15]. **Agnostic** [HFW+19]. **Agreement** [ADSH18, BSBB19, Chi16, HCL+14, HEC+12, KMZS19, MNS11, TM12, WSS12, XLM+12, XGLM14, XZLW15, YLSZ19, AAL19, AQRH+18, APK+18, AN15, BGAD12, CSD18, CTL13, DLK+16, EBAÇ17, GH16, HPC12, HWB10, HWB12, ISC+16, IB11, IOV+18, KS11, KIH19, KP18, KLW+16, KDW+17, LLLS13, LLY06, LIK+17, MHL18, NCL13, Nos11, Nos14, ODK+17, OSANAM19, PY19, hSZZ15, TLL12, WXK+17, XCL13, XXCY19, XMHD13, XHM14, YZZ+14, YY13, ZWQ+11, ZTZ16, ZGL+18a, ZZC15, OHJ10]. **agriculture** [APK+18]. **Aided** [BGK12, BCGK12, BGB12, Gop19, GMSV14, LNWZ19, MV19, Vua10, ABBD13, LYL15, SGJ+18, SSAF11, WLFX17]. **AIPISteg** [AGLW16]. **Air** [AUMT16, KTM+18, VOGB18, ZXW+18]. **aircraft** [XWZW16]. **Airflow** [RSCX18]. **Airway** [RSCX18]. **AK** [XHC+12]. **AK-PPM** [XHC+12]. **AKA** [LLLS13]. **AKF** [KDH15]. **al** [LLW16, LLSW16, MWZ12, PLPW13, SBS+12, Mac14, Keb15]. **al-Qaeda** [Mac14, Keb15]. **al.** [ABJ13, SPLHCB14]. **Alan** [CS12, Don14, Hel17b, LCKBJ12]. **Algebra** [PWBJ17, Xie12a, Xie12b, BS15, Bul10b, CFR11, DWZ12, FGPGP14, Nag19]. **Algebraic** [ACA+16, HIJ+19, HLC+19, LYK19, SK11, Tam15, Wat10, WCXZ17, Bul10a, CFR11, FMB+18, SA14, YTM+14]. **Algorithm** [AA19, ABCL17, Ano11b, AK14b, BGJT14, BKLS18, CNR14, CS10, jCPB+12, DCM18, ESS12, GKSB17, HZSL05, JLH12, JSZS12, JHHN12, JL16, KB10, LL11, LT14a, LLL17a, LLLH18, LYL+18, MSR+17, MRL+18, NdMMW16, NV10, RR11, RVRSCM12, WHZ12, WZCC18, YPRI17, YH16, ZSW+12, ZWWW17, AIA+18b, Ang16,

Ant14, ARG19, BYDC19, BGJT13, BMB16, CG12b, CJL16, Chm10, EEAZ13, GJ19, HZW19, JK13, Jou13, KY10, KHMB13, LC17, LR15, MS12a, MM14b, MNM+16, MN14, PGLL10, PA10, PC14, SH11, SLM10, SWW+17, jT12b, TTL10, WGZ+12, XTK10, XWK+17, YWL+17, ZLW+12, ZL12, sCR19a, ÁCZ16, ZOC10]. **Algorithmic** [GO17, KRH18, RZ19, AY12a, AY12b]. **Algorithmics** [Gas13]. **Algorithms** [AMKA17, ABSSS19, AB10b, BCG12a, BR19, BJ10b, CN12, GP17, KRDH13, KHRG19, MR14a, MM17a, RPHJ11, TKM12, WH18, WRP70, YS15, ZW15, AGHP14, FLYL16a, Fri10a, LK10, Mac12, NACLR12, NC13, OO10, OO18, SD17, Xie12a, Xie12b]. **Ali** [ABJ13]. **Aliens** [Sch18]. **ALIGNet** [HFW+19]. **Alignment** [Don14, HFW+19, IA15, AJYG18, LYC+10]. **alignment-free** [AJYG18, LYC+10]. **All-But-Many** [CCL+19]. **all-seeing** [Tox14]. **Allies** [Pau19]. **Allocation** [JWNS19]. **Allowing** [PRC12]. **Allows** [Bro17]. **Almost** [BKST18, FFL12, GDCC16, IM16, Oba11]. **Almost-Tight** [GDCC16]. **Almost-Universal** [BKST18]. **Alpha** [MV18]. **Altera** [SMOP15]. **alternate** [ZLW+12]. **Alternating** [BKLS12, KDH15]. **AMBTC** [KSSY12]. **AMD** [Arm19, BWS19, MZLS18]. **America** [AB10a, Bha16, Fag17]. **American** [Sch15a, Mun17]. **Americans** [ABJ13]. **Amherst** [TT18]. **Amoeba** [MPA+18]. **among** [BP11, MPJ+16, SS17a]. **amount** [EEAZ13]. **Amplification** [ABF12, HMR14]. **Analog** [KOP12, SOS15, Pau19]. **analog-to-digital** [Pau19]. **Analyses** [ZPXX17]. **Analysing** [GRL12]. **Analysis** [ABS+12, ARP12, BRS17, BBB+16a, BC14, BS14, BKLS18, Bul18, CFE16, CCG+16, CGL+12, DKMR15, FSWF11, GZZ+13, GWM16, GLG12, GA19, HC12, HHH+13, HZWW17, HB17, IBM13a, IS12, JT12a, KE19, KOP12, Kre13, LPS12, LTKP16, LCK11, LYK19, LLW16, LGLL12, MD12b, MAS16, MRTV12, MR10, NDC+13, NSA15, NAL17, OMNER19, PH12a, PFS12, PS14, RZZ+15, Rao10, RBS+17, SK11, SY15a, SR12a, Shi11, SRRM18, SZDL14, SCGW+14, VKC15, WRP70, WDDW12, YZLC12, ZH15, ZAG19, ZBPF18, Aia15, ACF16, AN15, BNY14, CFH+13, CFL13, CDWM19, DMV15, DK17, DHW+13, DIMT12, FTV+10, FAA+18, FHM+12, HM10, Lan11, LFH18, MFH13, NLYZ12, OMPSPL+19, PPA18, PL16, QGGL13, RITF+11, SKEG14, TQL+14, TLMM13, Tso13, VS11, Ven14, WZC16, ZMYB17, ZZKA17, ZCZ+19]. **Analysis-Based** [RZZ+15]. **Analytic** [Kuz11, Sha10, Shp03, ZW15]. **analytical** [CDPLCA16, TKMZ13]. **analytics** [BLV17, GQH17, KPB18]. **Analyzing** [BWS19, HREJ14, KLN15, YGD+17]. **anchors** [BCC+19]. **Ancient** [Fox13, Rao10]. **AND-gate** [JSMG18b]. **and/or** [YLA+13]. **Andrew** [Ano16a]. **Android** [Ano13a, Chi13b, EBFK13, FHM+12, KGP+19, MMF15, SFE10, YTF+18]. **Android-Powered** [SFE10]. **ANEL** [BBB19]. **Angle** [ZPW16, PKS18]. **Angle-Based** [ZPW16]. **Angular** [pNyWyY+14]. **animation** [WSS+19]. **Anisotropic** [ZZCJ14]. **Annotated** [ATS15]. **Announcing** [SBK+17]. **Annual** [Ano10a, IEE10, IEE11b, PJ12, Gil10, Rab10]. **anomaly** [AKKY17, JDV16]. **anomaly-based** [JDV16]. **Anonymisation** [VV18]. **Anonymity** [CDFS10, FVB+18, HEC+12, MV16b, MR10, SCGW+14, TFS19, VFV17a, VFV17b, WLY17, ZYZ+19, AIB+16, BAG12, GH15, GH16, HLS18, HLR11, Par12b, PSJ+13, SGJ+18, WW14, YHL16, ZX11]. **Anonymity-Based** [HEC+12]. **anonymity-preserving** [AIB+16]. **anonymization** [XTK10]. **anonymized**

[BDK11, TG12]. **anonymizing** [TMK11]. **Anonymous** [APMCR13, CG12a, CZLC12a, CCF17, Chi12, DK12, FHH10b, FHZW18, HLT+15, KP18, LIK+17, LSQX19, LZCK14, Muf16, Per13, RSN14, SYWX19, TAKS10, Ver17, Wan14, WXL+17, WYML16, ZJ14, ZMW16, AIKC18, AKS19, ATK11, BT18, CCSW11, Chi13a, CGH11, FSGW12, Gop19, GTSS19, HL14, ISC+16, KCS+18, LNK+18b, LZD+19, LWK+19, LHM14, LSQ15, LYL15, LY14, MYYR13, MML16, QMC17, VS11, WLS14, XXCY19, YZL+18, YYK+19]. **ANSI** [Ano11b]. **answer** [Pec12]. **answers** [Wu16]. **Anti** [Alz19, KKK+18b, QZ14]. **Anti-Counterfeiting** [Alz19]. **anti-forensics** [QZ14]. **Anti-reversible** [KKK+18b]. **Antinoise** [WXL+17]. **Antispoofing** [MR14b]. **Antoine** [AY12a, AY12b]. **Any** [BHT18, Goo12, LP11]. **anything** [Nor17]. **AODV** [SS15]. **Apache** [Lit14]. **APBT** [ZWWW17]. **API** [FLW12, PTRV18, QF19]. **Append** [YNR12b]. **Append-Only** [YNR12b]. **Applicability** [Scr18]. **Application** [AKP12, AK14b, BD15, BRT12, BS12, CCL+19, CKLM13, CCKM16, CCW+10, CWZ19, CSTR16, CLCZ10, CHS15, JS18b, Küp15, LW11a, LWKP12, MNS11, OO12, SEHK12, SS13, XJW+16, YWK10b, YTS12, ZH15, ZM16, Abe10, BGE+18, BBBP13, BT18, CZ15b, CBJY16, GLIC10, GSGM16, HURU11, HH15, JZU+19, Jia14b, LGKY10, LWKP14, MSM+18b, NAL17, OTO18, SE18, SGFCRM+18, WYZ+17, WDG19, XHH12, YY11, ZWQ+11, ZÁC17]. **Application-Level** [CCW+10]. **Application-Specific** [BD15]. **Applications** [ÁMVZ12, AEP18, Ana14, ABL+18, BBD19, BKPW12, Ber18, BKST18, BCG+12b, BJCHA17, BSV12, CZLC12a, CZLC12b, CPS16, CK18, DK02, DK07, DK15, FSK10, GKM16, GRL12, HSC19, HvS12, HJ19, HN10, HGOZ19, HVP+18, JWJ+17, LATV17, Nac12, NV10, Nie02, ÖDSS17, PJ12, RBS+17, RQD+15, Sas18, SCPSN10a, SCPSN10b, SG19b, Sha10, Shp03, SYv+19, Ter11, TYK+12, WH17, YR11, ZZQ+19, ZYY19, APMCR13, Ano11a, AKS19, BDK16, CFR11, CSZ+11, CQX18, CDA14, Dur15, EBFK13, FES10, Fri10a, GJJ18, GHD19, Gil10, KKK+18b, KO16, LWZG10, LSQ15, LR15, LBOX12, LTT10, MS13c, MZL+19, MM14b, OSP+19, OK18, PHWM10, PKA15, SWW+17, WMC17, ZZ15, ZSMS18]. **Applied** [BSS11, KP10, MR10, BTW15, OPHC16, Xie12a, Xie12b]. **Applying** [Bar12, Elb09, NML19, sCR19a]. **Approach** [CTC+15, Chi16, DZS+18, DBT19, HMKG19, HLAZ15, HLW12, KRH18, KKA15, MKN13, MZ17b, MHMSGH16, PS14, RP12, SLGZ12, Sia12, SH15, SC12, TCN+17, TLW12, Vle12, VKC15, WYCF14, yWXyZ+18, ZW15, AHG18, AL15, AT10, BSS11, CWZL13, CLZ+17, CO11, CML16, DEL19, DZS+12, FMB+18, GGH+16b, Ham19, JKA+18, KL13, LFGCGCRP14, MCP15, MSGCDPSS18, NC13, PJ18, SAM+19b, SE16, SPK17, SA19, Tan18, WMYR16]. **Approaches** [GWM16, LC15, NR15, SBV14, TCMLN19, MKH+12, OK18]. **Appropriate** [SP15b]. **Approximate** [CN12, JSCM17, SGS14]. **AppSec** [RQD+15]. **April** [GLIC10, IEE13, PJ12, vDKS11]. **Arab** [Bro11]. **Arabic** [AIF+19]. **Arbiter** [CCKM16]. **arbitrarily** [BCDN17]. **Arbitrary** [FHR14, DWZ12, Gen10]. **Arbitrary-State** [FHR14]. **Arbitration** [Küp15]. **Arbitrator** [WSA15]. **architect** [GW14]. **Architectural** [MD12b, VCK+12, ZWT13]. **Architecture** [ADSH18, BCE+10, BEM16, HEP+11, HKL+14, Int19, KS18b, KCR11, KCC17, KAK18, LGR14, LWML16, MCDB12, MJGS12, MC11, NdMMW16, NVM+17, RC18, RMP10, SG12, SWM+10, SLI11,

SM18, VDB+16, YHSW19, AL15, Ano13f, ABO+17, BVIB12, LXMW12, MJS13, SSSA18, SSS11, SSPL+13, XHM14, SAAB10]. **architecture-independent** [BVIB12]. **Architectures** [AMKA17, BGG+13, BJCHA17, CMO+16, CHS15, DFKC17, FP19, MTM18, MKAA17, MKASJ18, RMERM19, SRT12, ST19, FPBG14, HL14, LGP19, MK11, Nov10, SHC+16]. **archiving** [VBC+15]. **Area** [GMVV17, GM16b, HC17, LZCK14, RMTA18, WH17, ABO+17, KP18, LMJC11, LIK+17, LZZ19b, Nov10, SGJ+18, WDV18]. **Area-Optimal** [GM16b]. **Area-Time** [HC17]. **Areas** [MV12, JY14]. **Argon2** [BDK16]. **Argon2i** [AB17]. **argues** [Dya19]. **Arguments** [BCI+13, ABM+12, LLM+19]. **ARIA** [PH12a]. **ARITH** [MSH+16, TBL19]. **ARITH-26** [TBL19]. **Arithmetic** [AIK14, AAB17, BF19, BdD19, CATB19, DDE+19, EZW18, Fre10, GH11a, HSA14, IEE13, KHF10, MSH+16, PG12, Roh19, TBL19, TT18, ZAG19, DTZZ12, MO14]. **ARM** [BYDC19]. **ARM-FPGA** [BYDC19]. **ARMv8** [SD18]. **ARMv8-A** [SD18]. **Array** [BL12, MCDB12, NKWF14]. **Arrays** [LB13, TRD11, EAB+19, KM10a]. **ARSENAL** [SM18]. **Art** [ABJ13, BLM17a, BLM17b, LLK18, OMNER19, Sen17, BDK11]. **Artificial** [SG19b]. **Arvind** [Ano16a]. **ARX** [KN10, SJLK18, PBP19]. **ARX-Based** [SJLK18]. **ary** [CZCD18]. **Asa** [Bai12]. **ASBUS** [YWF18]. **ASIACRYPT** [LW11a, Abe10]. **ASIC** [CFZ+10, KMY18, MKAA17]. **Asking** [DL15]. **ASM** [Vle12]. **ASM-Based** [Vle12]. **ASP.NET** [DR11]. **Assessing** [CBL13]. **assets** [WHJ17]. **Assignment** [LMS16]. **Assisted** [KCC17, LLKA19, GM13b, GPR+19, HZWZ18, WDV18]. **Associated** [Sar10b]. **associative** [BS15]. **Associativity** [ABR12]. **Assumption** [CCL+19, LZC12a, LZC14, ZG10]. **Assumptions** [BDH11, CZF12, DN12, EKOS19, GKS17, KZZ17, KM10c, PDNH15, SBM15, ABW10]. **Assurance** [BMBS10, Bar15, KMP+11, RBNB15, WL11, Ser12]. **Assured** [Tan15a, WMYR16]. **Asymmetric** [DBT19, HG12, XLM+12, XGLM14, XZLW15, ZZQ+19, ZWQ+11, CSS+13, ZGL+18a]. **asymmetric-histogram** [CSS+13]. **asymptotic** [DTZZ12, TD14]. **Asymptotically** [LPS12]. **Attack** [ABSSS19, Ano15d, BRS17, BEM16, BMS12, Bro17, Che18, CWZ19, CJP12, DHT+19, DSB15, FXP+17, zGXW12, GDLL18, GV14b, GDCC16, HSC19, HCETPL+12, HLAZ15, JLH12, JKP12, Kam19, LLSW16, LGL+12, LJ17, LCLW17, LJ19, LBC18, LWKP12, LWPF12, LFK19, MSS17, MSS+18, MPA+18, MWES19, MS12b, Pud12, SKE+18, SBM15, SP13, SS15, SDM+12, WLC12, XJWW13, YTF+18, YWM19, Ano17a, AYSZ14, BD18, Blo15, BNST17, CAM19, CJP15, DDFR13, FLZ+12, Goo12, GSAV18, KA17, LLY+12a, LC13, LYHH14, LWKP14, MBB11, MNP12, NZL+15, OPS14, SB17, SXL16, SCBL16, WYL13, vV16]. **Attacker** [BCEO19, BCEO20, PLGMCdF18]. **Attackers** [BL15, BL16]. **Attacking** [Bon19, GJ19]. **Attacks** [AMMV18, AB17, ARP12, Ano17e, BGK12, BCHL19, BCHC19, BFK16, BKBK14, CZ19, CKHP19, CBRZ19, Che15, CMA14, DZS+18, DGlS12, DL17, DHLAW10, DHB16, EWS14, GPT14, HLLG18, HIJ+19, Hay13, HLC+19, HRS16, JSK+16, JWJ+17, KNR10, LLC11, LWZ12, LH14, LJ18, LW19, LWCJ14, LWML16, LCL17b, LYD+18, LSG+19, MD12b, PDJ+19, PYM+13, PS12, Sas12, SEY14, SY15a, SP15a, SH15, SVG16, SGH15, VWC19, WW14, WHN+12, XNG+14, YKA16, YL17, YCM+13, ZLQ15, ZHS+19, AATM18, ACD18, BBBP13, BVIB12,

BCDN17, BZD+16b, BSR+14, BH19, BCFK15, CBJY16, CGH17, dCCSM+12, DCAT12, DJL+12, DK17, Dra16, Eng15, EA12, FTV+10, FIO15, GPP+16, GLMS18, GBNM11, HAK19, HAGTdFR13, KM10a, KPS10, LDC13, LHM+10, LWK11, MBP19, NDNR13, OF11, PX13, SGP+17, TK19, TS16a, TY16b, TLL13, VS11, WWBC14].
attacks [XWDN12]. **attempt** [Fel13].
Attestation [BWS19, FQZF18]. **ATtiny** [EGG+12]. **Attribute** [AAC+16, AHL+12, BFK+10, Boy13, CD16b, CDL18, CDLW19, CHH+19, FHR14, GZZ+13, GSW+16, Gli12, GVW15, HSMY12, HBC+19, Her14, KGP12, LW11b, LW11c, LW12, LJLC12, LYZ+13, LHL+14, LAL+15, LHL15, LW16, OT12, PPA18, PB12, RVH+16, Rao17, SSW12, TYM+17, WDCL18, WLH15, WHLH16, WHLH17, XMLC13, XWLJ16, XHX+17, ZPM+15, ZQQ15, ZZM17, ZHW15, BTK15, CPPT18, FNWL18, HZL18, HZWZ18, HYS18, HKHK13, JSMG18a, JSMG18b, LCL+15, LFZ+17, LFWS15, LYL15, LJW+17, LJWY18, LDZW19, Nam19, QRW+18, RD17, SLL+19, WLWG11, WZC16, XWS17, XZP+19, XTZ+19, YSQM19, YCT15, ZWM14, ZML17, ZGL+18a, ZWY+19, Ver17].
Attribute-Based [AAC+16, BFK+10, Boy13, CD16b, CDLW19, CHH+19, FHR14, GZZ+13, GSW+16, GVW15, HSMY12, HBC+19, LW11b, LW11c, LW12, LJLC12, LYZ+13, LHL+14, LAL+15, LHL15, LW16, PB12, RVH+16, Rao17, SSW12, TYM+17, WDCL18, WLH15, WHLH17, XMLC13, XWLJ16, XHX+17, ZPM+15, ZQQ15, ZZM17, AHL+12, CDL18, Her14, WHLH16, CPPT18, HZL18, HYS18, HKHK13, JSMG18a, JSMG18b, LCL+15, LFZ+17, LFWS15, LYL15, LJW+17, LJWY18, LDZW19, Nam19, QRW+18, RD17, WLWG11, WZC16, XWS17, XZP+19, XTZ+19, YSQM19, YCT15, ZML17, ZWY+19, Ver17]. **Attribute-Hiding** [OT12, ZWM14]. **Attributes** [CG12a, VKK+19, Yon11, LCL+17a].
Attribution [AIF+19, XHC+12, FNP+15].
Au-Id [HWZZ19]. **Auction** [Con10, JWNS19, DDL15, HJM+11].
auctions [MR14c, QS18]. **Audience** [DTE17]. **Audio** [Ber18, DA12, FM15, GCK12, HGT15, KD12a, KD12b, Lal14, LSL12b, NXH+17, QF19, TC10, gWpNyY+14, XNG+14, XNRG15, XNP+18, ZS12, LSQ11a, SKEG14, yWpNyL11, YWYZ12, YQH12].
Audio-Visual [Lal14]. **Audit** [YNR12b].
Auditing [LMD16, LCDP15, TCN+17, XWK+17, YYS+16, YXA+16].
Augmenting [AV18]. **August** [AB10a, JY14, MV12, Rab10]. **Aura** [HFCR13]. **Austin** [IEE13]. **Australia** [Col17]. **AuthCropper** [KLK+19].
Authentic [ASV+18, HLT+15, SZMK13].
Authenticate [HM12]. **Authenticated** [Alo12, ADSH18, BSBB19, BCO13, BDMLN16, CLL16, CLY14, CCS14, CRE+12, DS11, EAA12, ESS12, FVS17, FFL12, GTT11, GL12, GZ12, HC12, HL10a, HCL+14, HEC+12, KMY18, KLK+19, LHKR10, LY16, LH11c, LCCJ13, LTT10, MR14a, MMY12, MMS17b, MHKS14, MSU13, PTT16, Sar10b, Smi11b, Tan11, TW14, WDV18, XLM+12, XHC+12, XGLM14, XZLW15, YS12, YLSZ19, YLW13, YRT+16, Yon12, ZPZ+16, ZXH16, ABC+18, AIB+16, ABR15, CTL13, FA14b, FIO15, GPN+12, GLM+11, HPC12, HWB10, HWB12, HL11, HPY10, ISC+16, JKA+18, KMTG12, LWS10, LHH11, LML+13, NCL13, Nos11, Nos14, ODK+17, OSANAM19, PPTT15, PJ18, PPG19, SMBA10, TCS14, Tso13, TKHK14, WZM12a, WZM12b, WTT12, XWXC14, XCL13, XWZ+18, YC12, YZZ+14, YZL+18, YLL+18, ZTZ16, ZGL+18a, ZXWA18, ZG10, ZZC15].
Authenticating [BS12, CHX13, GRL12, OKG+12, RPG12, WY12, ZCWS15, Bel18b, Cer18,

LFGCGCRP14, PGLL10, RR16, ZLDD14]. **Authentication** [AV18, AA19, ADM19, AAA+19, AMSPL19, ASO14, AAZ+16, ACAT+15, ACKB19, AUMT16, ABB19a, ATC17, BL12, BCE+12, BCM12, BNNH19, BSSV12, Bel18a, BKST18, BCD+12, Bis17, BF11, Boy16, BKJP12, BSV12, CGCGPDMG12, CTC+15, CC14, CSH+18, CRS+18, CCW+10, CCF17, CCC19, CJ13, CD12, CJP12, CLH13, DL15, DCM18, DBPS12, DKPW12, DP12, FLH13, FR16, FMTR12, FD11, GWP+19, GHS14, Gli12, GI12, GMDR19, GM14, GU13, GMVV17, GCK12, HZC+12, HvS12, HQY+18, HKK19, HLLC11, Har13, Hay13, HBCC13, HM10, HCPLSB12, HCETPL+12, HKL+12, HFS+19, HFCR13, HXC+11, HLCL11, HCYZ18, HWZZ19, HRK18, IGR+16, JN12, JCM12, Jia17, JLX+19, JAE10, KP12, KS18b, KLN15, KTM+18, KRM+10, KSD+17, KPC+11, KLY+12, KTA12, KGP12, Kim15, KPKS12, KLM+12, KO16, KH10, LLC11, LKBK19, LH12, LFH18, LLG15]. **Authentication** [LCLL15, LNZ+13, LZCK14, LNXY15, LCR+18, LLZ+12, MWZ12, MEFO12, MKH+12, MBC15, MRRT17, MRS+17, May15, MLBL12, Mor12, MSKRJ17, MPM+17, NR11, NR12, NSBM17, NLLJ12, NLY15, OdH12, OO12, OŚ12, PSSK19, PCDG14, PPRT12, PDT12, PWVT12, RS11, RWLL14, RSX18, RSN14, SGG18, Saa12a, SBS+12, SBS18, Sar12, SGC16, Sch15b, SKV12, ST14, SM12, SD12, Shi11, SGC14, SSA13, SPK17, SRRM18, SC12, SCMS18, SZDL14, SHS12, SAA12b, SRK+17, SRK+18, TGC16, TWNC18, TYK+12, TM12, Vet10, WgMdZlZ12, WHZ12, WZXL12, WgMW12, WZCC18, WSS12, WAK+19, WT10b, Xio12, YTP11, YFT17, ZBR11, ZHW+16, ZWZ17a, ZHS10, ZLDD12, ZLDC15, AMN18, AaBT16, ABK13, AATM18, AMKC19, ARL13, Aia15, AL15, APMCR13, AHM+18, APK+18, AIM+19, Alp18, AIKC18, ACF16, AZF+12, AKS19, ATI+10, ACC+13, AN15, ACM12, BK19]. **authentication** [BOP14, BS13a, BGE+18, BDM18, BDL+19, BD18, BCM13, BGAD12, BBTC20, BDM+19, BBB19, BLAN+16, BAL10, BMM12, BHvOS15, BT18, BTW15, BM11, CLM+12, CML+18, CLP+13b, CAM19, CTL12, CJXX19, CSD18, CNF+18, CH10, CCSW11, CHS11, CLHJ13, CZ15a, Chi13a, CCMB19, CJP15, Cho14, CL11, CHL19, CRS13, CDWM19, DCAT12, DSCS12, DRN16, DEL19, DLK+16, DMV15, DLN13, DZS+12, DM09, DIMT12, uHAN+18, EA12, ED19, EA11, FPBG14, FHH10a, FLL+14, FXP12, Far14, FA14a, FHZW18, FQZF18, FMA+18, FHM+10, FZZ+12, GJ13, GMSW14, GHD19, GEAHR11, GPLZ13, GH15, GH16, GAI+18, Gop19, GCSÁddP11, GMMJ11, GLB+18, GBC19, GTSS19, HU15, HSH11, Ham12, Ham19, HZW19, HW19, HHBS18, HDPC13, HZC+14, HK17, HZWW17, HL12, HL14, HCM11, HLC16, HPL+19, HCC10, HS11, IMB17, IAA+19, IC17, IG11, IB11]. **authentication** [IOV+18, Jac16, JNUH17, JKAU19, Jia16, JKL+16, JMW+16, JAS+11, JXLZ15, KPP16, Kem11, KKG14, KSB+17, KCS+18, KVvE18, Kim11, Kim16, KIH19, KS19, KP18, KPB17, KLW+16, KLW+17, KDW+17, KKD+18, LLLS13, LLZ+16, LC17, LLY06, LH11b, LT13, LH10c, LNM+11, LMJC11, LXMW12, LNNH13, LNKL13, LXJ14, LIK+17, LCM+17, LNK+18a, LWK+18, LNK+18b, LZD+19, LWK+19, LW19, LHM14, LH13, LSQ15, LHH+18, Lit14, LWLW11, LTC+15a, LYL15, LZZ19b, LBR12, LTT10, MM12, MMLN15, MCN+18, MDHM18, MvO11, MMP19, MA17b, MMS17c, MWW+18, MZL+19, MCRB19, MHL18, MK12a, MGB19, NDSA17, NR17, NACLR12, NCCG13, NM18, NLYZ12, NML19, NB13, NXS10, NMX15, OSP+19, OF11, OCDG11, OYHSB14, PYH+18, PYP10, Par12b, PLGMCdF18, PCK19, PZBF18, PA10,

PKA15, PRN+19, QMC17, QMW17, QLZ19, RR17, SSSA18, SCFB15, SPLHCB14, SB17, SGGCR+16, Sar10a, SK18]. **authentication** [SSNS15, SVY19, SGJ+18, hSZZ15, SCKH10, SYWX19, SNG+17, SCR19b, SA15, SYW17, SSS11, SKEG14, SA19, SMS+16, SHBC19, Tan12b, Tan15b, Tan18, TODQ18, TZTC16, TG17, TLL12, VSB+19, Wan13, WW14, WLZ+16, Wan18b, WCFW18, WXSH19, Wat14a, Wat15, WDKV19, WT10a, WKH11, WXK+17, XHH12, XWDN12, XHCH14, XXCY19, XMHD13, XHM14, YI17, YHL16, YHHS16, YYK+19, YWK+10a, YSL+10, YMM13, YN19, YY13, YD17, ZYL+10, ZQWZ10, ZCLL14, ZQD16, ZGL+18b, ZDHZ18, ZZY+19, ZHH+17, ZX11, ZLY+19, ZZL+18, OHJ10]. **authentication-chaining** [EA11]. **authenticators** [SYY+17]. **authenticity** [ADF12, VBC+15]. **Authority** [LNXY15, XZLW15, ZQQ15, JB11, SLL+19, ZWY+19, ZZ12]. **Authorization** [CS14, LMGC17, MPM+17, YKK18, AL15, DFJ+17, FHM+10, JAE10, JAS+11]. **Authorized** [GHY18, HTC+15, LLSW16, Ma17a, WZCH19]. **authorizing** [Bel18b]. **Authorship** [AIF+19, BTW15, BAG12, LCM+17]. **Autoblocking** [LLLH18, YH16]. **Automata** [CCD15, Gas13, dRSdlVC12, Ang16, DGL19, HBBRNM+16, KFE19, SS11, WOLS12]. **automata-based** [SS11]. **Automated** [BCHC19, CCK12, CCCK16, DRS16, GLLSN12, JGP+18, LGM+16, Ste15a, Tom16, YSS14, BJR+14, GMMJ11, KKK+16]. **Automatic** [HWZZ19, MMP19, WW12, HL19]. **Automation** [BGK12, DZS+18, IEE11a, KPP16]. **Automotive** [HK18, LMS16, MPM+17]. **Autonomic** [SEK+19]. **Autonomous** [MPA+18, BT18, SMS+16]. **Auxiliary** [DMS+16, DL12, GGHW17, XXZ12, YCZY12, Kom18]. **Auxiliary-Input** [XXZ12, Kom18]. **Availability** [CK11, ADF12, CFVP16]. **Available** [Ano16e, HGOZ19]. **avatars** [NSX+18]. **AVC** [JSZS12, JHHN12, LW13c]. **average** [Lim11, YL11]. **avoid** [CFZ+10]. **Avoidance** [RVH+16]. **Avoiding** [AMMV18, BHCdFR12]. **AVR** [LPO+17]. **award** [Ano16i, Orm16]. **Awarded** [Ten18]. **Aware** [ARWK19, BCF16, HFS+19, JSA17, LJP17, LMHH14, LMS16, QLL17, YTH17, ARL13, AKS19, DDY+19, GHD19, LWYM16, MGP10, TODQ18, Wan13, ZDHZ18, ZFH+18]. **Awareness** [HSC19, MSas12, SAM+18, HPJ+19, Li10, MSas13]. **axiomatic** [AT10]. **axis** [WMU14]. **Azure** [Sti19].

B [Tan12a]. **B-Spline** [Tan12a]. **B3G** [NXS10]. **Back** [BLN16, KRM+10, SKS+18, YZLC12, Fai19, Ran10]. **Backdoor** [Sch13, Fel13]. **Backside** [DDR+16]. **Backup** [MPA+18, Cor14a]. **backward** [BM11, EBAÇ17, NJB19]. **Bacterial** [Kar12]. **Bad** [KMZS19, CHH+13, Hai17, RY10]. **BAF** [YNR12a]. **Bake** [Boy16]. **Balanced** [YTP11]. **balancing** [FXP12, PRN+19, Zha15a]. **Balloon** [AB17, BCGS16]. **Ballot** [vdG17]. **Ballots** [CW12b, LHF12]. **balls** [Svo14]. **band** [MMSD13]. **Bandwidth** [GST13, NR11, LLZ+12]. **Bandwidth-Efficient** [LLZ+12]. **Banking** [Eya17, KSD+17, RBS+17, GMMJ11, KVvE18]. **banned** [Eve16]. **BANs** [BLL+19]. **Baptiste** [Dew11]. **Barbara** [Rab10]. **Barcodes** [WY12]. **Barrier** [JR14, KS11]. **barriers** [LKKL13]. **Base** [DBT19, MS12a, XSWC10]. **Based** [ADM12, ADM19, AGW15, ASM12, ABSSS19, AAC+16, ABCL17, Ano11b, ASS15, AYS15, ATC17, BWLA16, BL12, BCEO19, BCEO20, BBB+16a, BSSV12,

BHG12, BKPW12, BRT12, BHH+15, BBKL19, BS13b, BFK+10, Bon12, BSJ15, BF19, Boy13, BKJP12, BDH11, BCF+14, But17, CMLS15, CLL16, CGMO14, CKHP19, CMRH17, CCM17, CSH+18, CZLC12a, CZLC12b, CLHC12, CCZC13, CLY14, CZLC14, CST+17, CZCD18, CLND19, CGL+12, CDD13, CGY+13, CD12, Chi12, CK18, CD16b, CDLW19, CHH+19, DSMM14, DHT+19, DL17, DS19, DA12, DLZ+16b, EM12, EKB+16, EFGT18, FM15, FHH10b, FHR14, FZT14, FGRQ18, FGM10, FYD+19, FR15, FVS17, FP19, FSX12b, FSX12c, FSX12a, GT19, GWWC15, GDLL18, GZZ+13, GSW+16, GV14b, GI12, GY13, GDCC16, GVW15, GJJ15, GJZ17, GRRZ18, HZC+12, HSMY12, HSM14, HBC+19, HEP+11, HIJ+19, HL10a, HZX15, HWZP18, HCPLSB12, HKL+12]. **Based** [HG12, HMR12, HSA14, HWS+19, HPO+15, HKR+18, HGT15, HCL+14, HLN+10, Hül13, HRS16, HBG+17, HEC+12, HM19, HP12, HP17, JTZ+16, JP19, JHHN12, JEA+15, JKHeY12, KMZS19, KS18b, KZG10, KK12, KKA15, Kha10, KLY+12, KSSY12, KPKS12, KHRG19, KRB12, KAK18, KS15, LMGC17, LMG+18, LYY+18a, LYX+19, LTKP16, LSL12a, LKBK19, LSL12b, LW11b, LW11c, LW12, LHF12, LJLC12, LYZ+13, LHL+14, LTH+15, LLC+15, LDZ16, LTZY16, LLZ+17, LLLH18, LPL15, LSLW15, LAL+15, LH11c, Lin15, LYL+18, LP12, LNWZ19, LNZ+13, LCCJ13, LWCJ14, LNXY15, LHL15, LW16, LPO+17, LHW18, LLD19, LZZ+19a, LGPRH14, LDB+15, LD13, LSC12, LBR12, LLH18, MWZ12, Ma17a, MLO17, MEFO12, MCDB12, MVV12, MD12b, MBC15, MKN13, MZ17b, MCS+15, MMS17b, MKF+16, MCF17, Men13a, MST18, Mor12, MSKRJ17, MKAA17, Muf16, NIS15, NC12, NXH+17, NDR+19, NXB13, NLLJ12, NLY15, pNyWyY+14]. **Based** [OTD10, PB12, PSSK19, PTT16, PYM+15, PDNH15, PPS12b, PYS18, PG12, PAS13b, PNRC17, QJC+18, QF19, RVH+16, RSR+19, RZZ+15, RS16, Rao17, RR11, RDZ+16, RVRSCM12, RW12, RJV+18, SBS18, SSW12, Sar18a, SS13, Sen17, SJLK18, SXH+19, SJ12, SGP+12, SPG+19, SP15b, SSA13, SRAA17, SNCK18, SH15, SGH15, TB18, TKR14, TWZ11, TW12, TWZ+12, TYM+17, TSH17, TT12, TTH15, TFS19, TC10, VDB+16, VGA15, VGA19, Vle12, WY10, Wan10, WSSO12, WgMW12, WYW+13, Wan14, WZCC18, yWXyZ+18, WDCL18, WLH15, WHLH17, WCL+18, WT10b, WMS+12, WZCH19, XNG+14, XNRG15, XXZ12, XMLC13, XLQ09, XQL11, Xio12, XGLM14, XWLJ16, XJW+16, XJR+17, XHX+17, XHZ+19, YE12, YZLC12, YZX+12, YGFL15, YHSW19, YTS12, Ye10, Ye14, YH16, YTH17, YYO15, Y+17, YKNS12, YHK+10, YMWS11, YKC+11, YFK+12, YCZY12, ZSP+19, ZPM+15, ZJ11, ZXZ+11, ZDL12, ZLH+12]. **Based** [ZQQ15, ZMW16, ZXYL16, ZWWW17, ZZM17, ZWZ17b, ZYZ+19, ZPW16, ZHW15, ZVG16, ZPXX17, ZGCZ18, ZYM18, ZYH+19, ZHL15, AMN18, AGLW16, AaBT16, ARL13, AY14a, AHS14, AAL19, AAT16, AA14, ASO14, AIA+18a, AIM+19, AKG13, ASVE13, ACA+16, ARG19, AM19, Ara13, ATI+10, ACC+13, AHL+12, BK19, AVAH18, BS15, BDM18, BDL+19, BBBP13, BD18, BGAD12, BAAS13, BBTC20, BDM+19, BOB13, BWR12a, BW13, BWA13, BMM12, BZD16a, BC18, BTK15, BBB16b, BK12b, CPPT18, CML+18, CXX+19, CFL13, CFY+10, CCLL11, CTL12, CLSW12, CNF+18, CRS+18, CG12b, CSZ+11, CHX13, CSS+13, CW14a, CLC+19, CWZ19, CXWT19, CCMB19, CTHP13, CJP12, CJP15, CCG10, CTL13, Cho14, Con12, CHL19, dCCSM+12, Cra11, CDL18, DSCS12, DGMT19, DZ14, DLN13, Dra16, uHAN+18, EZ15, FH13, FG19, Far14, FA14a, FA14b, FIO15]. **based** [Fay16, FLYL16b, FHZW18, FMC19, FNWL18, Gal13, GJ13, GCH+19,

GMOGCCC15, GMRT+15, GKCK11, GJMP15, GCSÁddP11, GAB19, GMS11, GLL+18, GBC19, HSH11, HT11, HKA+18, Ham19, HZW19, HW19, HHBS18, HGWY11, HSM13, HZC+14, HZL18, HF14a, HWDL16, HZWW17, HZWZ18, HBBRNM+16, HLR11, Her14, HWB10, HWB12, HB13, HL14, HL11, HLC12, HLC16, HYWS11, HYS18, HYF18, HPY10, HKHK13, HCC10, Hwa11, IMB17, IM14, ISC+16, IB11, IA15, IOV+18, Jac16, JNUH17, JKAU19, JK13, JLT+12, JCL+18, JZS+10, JMW+16, JSMG18a, JSMG18b, JLX+19, JDV16, KFE19, KPP16, KK13, KM10a, KHMB13, KTM+18, KKG14, KCS+18, Khl18, KD18, Kim11, KGO10, KD19, KLW+17, KKD+18, KL11, KSH18a, KSH18b, LXLY12, LLZ+16, Lau12, LLC10, LK14, LHM13, LYC+10, LHM+10, LH10c, LZJX10, LNM+11, LMJC11, LK12, LXMW12, LKAT12, LLHS12, LNKL13, LXJ14, LDZ+14, LCL+15, LZY+16]. **based** [LWYM16, LFZ+17, LNK+18a, LWK+18, LWW+19, LCT+14, LFWS15, LLM+19, LPdS10, Lin14a, LHH+18, LLY+12a, LW10, LSQ11a, LSQ11b, LWK11, LW13b, LZC14, LPZJ15, LTC+15a, LYL15, LY15, LJW+17, LJWY18, LDZW19, LWW+10, LL16a, LW13c, LWY12, LY14, MCN+18, MCP15, MJGS12, MJS13, MLM16, MWW+18, MZL+19, MMF15, MMZ12, MM13, Mes15, MCRB19, MBB11, MO14, MSGCDPSS18, MHT+13, MG15, MS17, Nam19, NR11, NM18, NCL13, NZL+15, NMX15, OMPSPL+19, PPA18, PYH+18, PLPW13, PTK14, Par18, PWW10, PGLL10, PZL+19, PPB16, PLGMCdF18, PCK19, PS14, PL16, PKA15, PC14, PPR+12, QZDJ16, QRW+18, QYWX16, QMW17, QLZ19, RD17, RG10, RS15, SPLHCB14, SERF12, SGGCR+16, SLL+19, SAM+19b, SI12, SD17, SYL13, SE14, SE16, SK18, SH11, SM11, SNM14, SZHY19, SR10, hSZZ15, SCKH10, SA16b, SPK17, SSAF11, SHC+16, SWW+16, SSS11]. **based** [SKEG14, SC19b, Sun16, SGM16, SHBC19, SS11, TPL16, TQL+14, Tia15, TH16, THA+13, TTL10, TPKT12, TKHK14, URK+19, VS11, VN17, WWYZ11, WWYY11, WLWG11, WLDB11, WZC16, WLFX17, WMX+17, Wan18a, WXMZ19, WXSH19, WDZ19, WGZ+12, WHLH16, WS14, WS12, WTT12, WOLS12, WCCH18, XHH12, XWZW16, XW12, XCL13, XWS17, XZP+19, XHCH14, XWZ+18, XTZ+19, XMHD13, XHM14, YWL+17, YWJ+19, yYqWqZC13, Yan14, YTM+14, YCC16, YXA+18, YSQM19, YWY+19, YCT15, YTF+18, YY13, YLS12, YMSH10, YKC+12, YLZ+16, YXA+16, YL11, ZZKA17, ZAAB17, ZYGT17, ZLW+12, ZCLL14, ZT14, ZTZ16, ZQD16, ZML17, ZGL+18a, ZGL+18b, ZWY+19, ZZ12, ZHH+17, ZL12, ZVH14, ZDW+16, ZYM19, ZLY+19, LZJX10, Ver17, HZC+14, MM12, PP11, ZBR11, Kat13]. **Based-Encryption** [ZHW15]. **based-wireless** [HKA+18]. **Bases** [EVP10, TSH14, FES10]. **Basing** [Mat14, MN10]. **Basis** [BNA15, ERRMG15, RMERM19, CG12b, Har15, LLP+18, Tam15]. **Batch** [WSQ+16, ZPXX17, AGHP14, CCG10, MGB19]. **batch-based** [CCG10]. **Batters** [Chi13b]. **Battery** [CKHP19]. **battles** [Ano15e, Ano16h, Sch15c]. **Bay** [Ano10a, DDS12]. **Bayes** [McG11, Sim10]. **Bayesian** [Alz19, WYW+13, ZLW+17]. **BC** [LSG+19]. **Be** [ASV+18, DSMM14, Mos18, Par12a, YM16, AZH11, Ana14, Dya19, Eve16, Ree15, RK11]. **BeagleBone** [Cri16]. **Beat** [LTKP16]. **BECAN** [LLZ+12]. **Becomes** [Bra13]. **been** [Ana14]. **before** [GST12, Goo12]. **Beginner** [Gre19a, She17]. **Beginning** [Chu16, Zor12]. **Behavior** [ASV+18, GSC17, RSX18, KLN15, SPK17, VSB+19]. **behavioral** [BOP14, CAM19, HT11, MWW+18]. **Behaviors** [GAF+15, HL19, ZMYB17]. **Behavioural** [MT17]. **Behind**

[Fre10, Sti19]. **Beijing** [BYL10, Yan10]. **Being** [NSP+18]. **Beissinger** [Ayu12]. **Belief** [BT12]. **Bell** [JEA+15, QD16]. **Benchmarked** [MKAA17]. **Benchmarking** [MTM18, ZZKA17]. **Benefit** [HB14]. **benefits** [Wat14a]. **Benford** [AOT13, ZHS10]. **Bessel** [GJ13]. **best** [Cha13c, Tay19]. **bet** [Rom12]. **Beta** [MV18]. **Beth** [CTHP13]. **better** [LCL+17a]. **Between** [HSUS11, KA18, LRVW14, SAKM16, CLM+12, HLR11, KPP16, Kim16, PBCC14, WDDW12]. **Beyond** [JL18, LST12, MJS13, RS18, TS16b, FNP+15, JR14]. **BGP** [SVG16]. **BGV** [GHPS12, GHPS13]. **BGV-Style** [GHPS12, GHPS13]. **Bias** [BHT18]. **Biased** [BH19, USH19, LLP+18]. **Biclique** [BKR11, KDH13]. **Bidirectional** [GMNS15, GH12]. **bifurcation** [SE18]. **Big** [FYD+19, GRRZ18, HLC+18, KPB18, LLSL19, MLO17, Mal13, MMS17b, PH16, PNRC17, PWS+19b, YDY+16, ZLW+17, FS18, HL19, JLC18, LSBN14, QCX18, Rom12, Tan17b, WS14, WS19]. **biggest** [Rom11]. **Biggs** [Low12]. **bilateral** [jT12b]. **bile** [RBS+17]. **Bilinear** [Abe12, ASS15, IL15, LZY+16, YS12, ZZ15, ZY17b]. **Bilinear-map** [LZY+16]. **Bill** [Bel15]. **billions** [Hof16, SMBA10]. **Binary** [ADI11, ABSSS19, ADSH18, AK14b, MBR15, MBF18, DGK18, SA14]. **Binary-Ternary** [ADI11]. **Binding** [HEC+12, LBC18, ZLQ15, LZ11]. **Bio** [OK18, VGA19, AJYG18, GPVCdBRO12, ZHL+11]. **bio-cryptographic** [ZHL+11]. **bio-cryptosystems** [AJYG18]. **Bio-inspired** [OK18, GPVCdBRO12]. **Bio-Key** [VGA19]. **BioAura** [MSKRJ17]. **biographical** [Maf16]. **biomedical** [AIA+18b]. **Biometric** [Alp18, ATI+10, BDM+19, BCTPL16, DWB12, HFS+19, JN12, KHMB13, LGM+16, May15, NGAuHQ16, PMG+19b, Sar12, SKV12, SRRM18, SSP19, Vet10, YYK+17, AAL19, AHM+18, BK19, DEL19, DIMT12, GCSÁddP11, GBC19, HT11, Ham19, KCS+18, LK12, LTC+15a, MLBL12, Sar10a, Sar18a, SR10, SC19b, YWZ+18, ZQD16]. **Biometric-based** [BDM+19, GBC19, KCS+18, SR10]. **Biometrics** [AHN+18, BW13, ERLM16, SP13, ZPW16, AGBR19, BOP14, CNF+18, FHZW18, GM16a, KLW+17, LXLY12, LH10c, LNM+11, LH14, LNK+18a, MRRT17, Rom11, SS17a, SCFB15, YY13]. **biometrics-based** [CNF+18, FHZW18, KLW+17, LXLY12, LH10c, LNM+11, YY13]. **biosensor** [Kim16]. **Birkäuser** [Sha10]. **birth** [YY17a]. **Birthday** [ACD18, LST12, GJ19, RNQ16, SXL16, Nac12]. **Birthday-Bound** [LST12]. **birthday-type** [GJ19]. **Birthmarking** [TLZ+17]. **Bit** [CK17, CG14a, GV14b, HG12, HS18, KTM19, LJK17, LPO+17, NIS12, Ros11, YLL+12, APPVP15, BGG+19, KS11, KFL+10, MMN12, PLSvdLE10, RH10, SLXX16, TWZ+12, TBK+18, VN17, ZSH+19]. **bit-pair** [SLXX16]. **Bit-Wise** [CG14a]. **BitCoding** [HS18]. **Bitcoin** [ADMM16, BRS17, BH15, Bra15, Chi13b, HB14, Hur16, IM16, JSK+17, Mic16, Sir16, Tay17, TS16b, VFV17a, VFV17b, WLY17, WHJ17, Ano16a]. **Bitcoins** [MPJ+16]. **BitErrant** [Ano17a]. **Bits** [BF12, LLL17a, YCL17]. **Bitsliced** [HMKG19]. **Bitstream** [SMOP15]. **Bivariate** [TWZ11]. **Bivium** [EVP10]. **BIX** [Muf16]. **BLAC** [TAKS10]. **Black** [BR14, CPS16, HHP17, KOS16, KMO14, MSas13, JB11, Rja12, SS10b, YKA16, DD13, SK14, YSC16, ZZ12, Cri16]. **Black-Box** [BR14, HHP17, KMO14, Rja12, SS10b, KOS16, MSas13, ZZ12]. **Blackbox** [MSas12, SS12a]. **Blackhole** [SS15]. **BlackWatch** [HSC19]. **BLAKE** [AMPH14, GV14b]. **BLAKE-512-Based** [GV14b]. **Blanchette** [SR14]. **Blended** [ACAT+15]. **Bletchley** [Bai12, Ano11c,

Bri11, Col17, Cop06, Cop10a, Cop10b, GMT+12, GW14, McK10, McK11, McK12, Pea11, Sim10, Smi11a, Smi15b, Smi15a]. **Blind** [AP10, Ano15a, BCPV11, LCLW17, LGPRH14, MR16, MMN12, RS16, YMWS11, HKB14, MO14, RSM15, RMG18, WLDB11, yWpWyYpN13]. **Blindfold** [Nac16]. **Blindfolded** [Vai11]. **Blinding** [CLHC12, KHHH14]. **Block** [ÁMVZ12, BRS17, BSS+13, BFMT16, BDGH15, BCG+12b, CWP12, DWWZ12, EGG+12, FXP+17, GLLSN12, GT12, GST12, GNL12, IS12, KR11, KWS+12, LYK19, LWZ12, LJ17, LCLW17, LGLL12, LWKP12, LWPF12, MCDB12, MRTV12, OGK+15, PH12a, PDJ+19, PRC12, Pud12, SJLK18, SGP+12, SSA13, WW12, YCL17, ZSW+12, BNY14, Jeo13, KM11, LGP19, LPZJ15, LC13, LYHH14, LWKP14, MCL+19, MNP12, MHV15, MHY+18, PL16, Sar11, SKK10, TQL+14, Tan17a, WB12, WWBC14, ZSW+18a, JKP12]. **Block-Parallel** [MCDB12]. **Block-Wise** [SSA13]. **BlockA** [CHL19]. **Blockchain** [Alz19, Ano19c, ATD17, AHWB20, CLC+19, Eya17, Hur16, HM19, JWNS19, KV18, NML19, Pec17, Scr18, SG19b, SJZG19, TBY17, VFS+19, ZXL19, HHBS18, JLX+19, LHH+18, Nor17, CHL19]. **Blockchain-Based** [HM19, HHBS18, JLX+19, LHH+18]. **Blockchain-Enabled** [KV18, NML19]. **Blockchains** [BNMH17, RM19, WSL+19]. **blockcipher** [CMMS17]. **Blockciphers** [LST12]. **Blocks** [JSK+17, Bra15]. **Bloom** [ATKH+17]. **Blowfish** [KB10]. **BLS** [BP18]. **BlueKrypt** [Gir15]. **Boardroom** [LHF12]. **Bodacious** [KM10c]. **Body** [LZCK14, LCR+18, ASO14, KP18, LIK+17, LZZ19b, SGJ+18, WDV18]. **body-sensor** [ASO14]. **bogus** [XWDN12]. **Bombe** [Bur11, Car10]. **Bonebrake** [SS10c]. **Boneh** [TK19]. **Bonneau** [Ano16a]. **Book** [Ano15b, Ano16a, Ano17b, Ayu12, Bar12, Dew11, Ful10, Joh10, Keb15, Kob10, Low12, Mei10, Mur10, Sch15a, Sha10, SR14, Ter11, Sto12]. **Boolean** [ÁCZ16, AS17, CW14a, DQFL12, FY11, LVV11, WT13, YCC16, ZZQ+19]. **Boolean-based** [CW14a, YCC16]. **Boomerang** [BCG10]. **Bootstrapping** [BGV14, GM14, KKJ+16]. **Border** [LGM+16, ZTSR12]. **Born** [LJY16]. **BotMosaic** [HB13]. **Botnet** [NSA15]. **botnets** [HB13]. **Bottom** [Smi11b]. **Bound** [GR19a, LST12, Raz19, WJ19, TK19]. **Bounded** [GVW12, GJO+13, PDNH15, QZZ18, SS12a, ZYT13, IM14]. **Bounding** [ABB+19b, PYH+18]. **Bounds** [BCG19, CK17, Jia17, LJ15, SNJ11, SS10b, Sha10, Shp03]. **Bouzefrane** [Ano15b]. **Box** [BW16, BCGN16, BCKP17, BR14, CPS16, HHP17, KMO14, LYL+18, Mic10b, RMTA18, Rja12, SS10b, SWF+19, KOS16, KCS+18, LRW13, MSas13, RMP10, SGFCRM+18, ZZ12, ZSW+18a]. **Box/Inverse** [RMTA18]. **Boxes** [MM17b, NN12, WJ19, LJ15, SS11]. **Boyle** [Mat19]. **BRAMs** [DGP10]. **Branch** [EPAG16, ZYY19]. **Branchless** [RBS+17]. **Brandt** [DDL15]. **Brave** [KM10c]. **Brazil** [BA18]. **Brazilian** [Uto13]. **Breach** [SD12, JB11]. **Break** [Ayu12, BP06, Win17]. **Breakers** [Col17, Sti15, Mun17]. **Breaking** [AP13, CN12, Che18, Cop10a, GMT+12, KS11, RSMA19, TPL16, WgMdZlZ12, Ant14, Bri11, SJ19]. **Breaks** [Ano17e]. **breakthrough** [Goo12]. **breath** [LSR13]. **Breathing** [CSH+18, CRS+18, HCYZ18]. **Breathing-Based** [CSH+18, CRS+18]. **BreathLive** [HCYZ18]. **Bregman** [CCZC13]. **Bribery** [CW12b]. **Bridging** [LRVW14, TMGP13]. **Briggs** [Bai12]. **Bring** [Zha15a]. **Bringing** [Ano15c, OYHSB14]. **Britain** [Ald11]. **British** [And13]. **Broadcast** [BS14, GMVV17, HMR14, KH10, LMGC17, LMG+18, PSM17, PPS12a, RMZW19, SXH+19, WQZ+16, XJW+16, Yan14,

ZHW15, CPPT18, DLN13, SM19b, WWYY11, WDZ19, XWDN12, XZP+19, YMM13, ZWQ+11, ZZ12, Zhu13]. **Broadcasting** [OO12, MK11, OCDG11, SM19b, YY11]. **broke** [Bat10, Hea15]. **Broken** [MDAB10, Tur18]. **Broker** [TKR14]. **Broker-Less** [TKR14]. **Browse** [NA14]. **Browser** [QF19, ABR13, ACC+13, BCFK15, GIJ+12]. **browser-based** [ACC+13]. **Browsers** [FVJ19, Ree15]. **browsing** [MWW+18, YYK+19]. **Bruce** [Sev16]. **Brute** [CJP12, JR14, CJP15]. **Brute-Force** [JR14, CJP12, CJP15]. **BRW** [CMLRHS13]. **BSeIn** [LHH+18]. **BTC** [CLF11, QJC+18]. **BTC-compressed** [CLF11]. **Bubbles** [HHBS18]. **Buchwald** [ABJ13]. **Bucket** [BKKV10]. **Bug** [Chi13b]. **Build** [IM16]. **Building** [BPS16, GB19, KMP+11, MJS13, Sev16, WL11, CHH+13, LCKBJ12]. **built** [GSAV18]. **built-in** [GSAV18]. **Bullet** [McG16]. **Burdens** [Bla12, SR14]. **Bus** [AN17]. **Business** [LDB+15]. **Butterfly** [HQY+18]. **Buyer** [Fra16, KJN+16]. **Buyer-Friendly** [Fra16]. **BYOE** [Tan17a]. **byte** [Hof15, Hof16]. **Bytecode** [SEK+19]. **bytes** [PBCC14]. **Byzantine** [KS11, LLKA19, YKGK13]. **Byzantine-resistant** [YKGK13].

C [AD12, ÁCZ16, Cra14, DGJN14]. **C&C** [GN16]. **C1G2** [MK12a]. **CA** [ACM11, Dun12b, Kia11, Lin14b, Pie10, Rab10]. **CABA** [MSKRJ17]. **CABE** [XHX+17]. **Cache** [AB15, ADR18, CBRZ19, DKMR15, FDY+19, HLAZ15, LWML16, SY15a, YDV19, DJL+12, DK17, MCL+19]. **CacheAudit** [DKMR15]. **Caches** [LLGJ16, CDPLCA16, DJL+12]. **Caching** [ADR18, HLAZ15]. **cackled** [Bai12]. **CAD** [PGLL10]. **Caernarvon** [KMP+11]. **Calculus** [MR10, Jou13]. **Calibrated** [LC15]. **California** [Ano10a, IEE11b, IEE15, MSH+16]. **Call** [Ano16b, Ano16c, Ano16j, CS14, Hor19, KRM+10]. **Call-Back** [KRM+10]. **Calls** [Mur16, KGP+19]. **cam** [PKS18]. **Cambridge** [ACM10, PJ12]. **Camellia** [Blo15, LWKP12, LWPF12, LWKP14, SEHK12]. **Camellia-192** [Blo15]. **Camera** [ATC17]. **Cameras** [ASV+18, MKH+12]. **Can** [Alo12, AZH11, Bar15, DSMM14, KNTU13, YM16, Pec17, RK11, Rus15, Sto12, GMVV17, LMS16]. **Canada** [JY14, MV12]. **Canal** [GWP+19]. **Cancelable** [QLZ19, AJYG18, LZ11, LH14, YWZ+18]. **Cancellation** [DLMM+18]. **cancelled** [Ano14c]. **Candidate** [GGH+16a]. **candidates** [ABM+12]. **canonical** [Bul10a]. **CANS** [HWG10, LTW11]. **Can't** [ASV+18, Kni17, RAZS15, PZ15]. **CAOVerif** [ABF+14]. **Capabilities** [CHN+18, GFBF12, Lop15a, KMG17]. **Capability** [IA15, LLZ+17, LT13]. **Capability-Based** [LLZ+17]. **Capacity** [LLY+18, TODQ18, WYL18, XNRG15, YWW10, BCND19, CLZ+17, GZHD12, PWLL13, WLH13]. **Capacity-aware** [TODQ18]. **Capacity-Raising** [YWW10]. **Capitalism** [Fid18]. **CAPTCHA** [OTO18, SKEG14]. **CAPTCHA-based** [SKEG14]. **Capture** [ASV+18, MBC+18, NYR+14]. **Capture-the-Flag** [MBC+18]. **Captured** [HWZZ19, SPK17]. **capturing** [PKS18]. **Card** [BDFK12, HMR12, HCL+14, PDT12, Ano17c, CLHJ13, GLIC10, LNKL13, Mar10b, Cho10, SD12]. **CARDIS** [GLIC10]. **Cards** [BSJ15, LA10, PWVT12, WgMdZlZ12, WgMW12, CHS11, CHH+13, HCC10, KY10, LH10c, LNM+11, LXMW12, MM12, SGGCR+16, YZZ+14, YSL+10, YY13]. **care** [FHV16]. **caricature** [CLY18]. **CariGANs** [CLY18]. **Carlo** [CR12, FVK17, GQH17]. **Carol** [Xie12a, Xie12b]. **Carry** [GWM16]. **Carrying** [PV17]. **Carved** [LC15].

CASCA [DZS+18]. **Cascade** [WGD18]. **cascaded** [DGL19]. **Cascading** [GT12]. **Case** [Ano17c, DR11, Kni17, SBS+12, SY15a, SRT12, Uto13, YL17, Dya19, KD18, LKKL13, MD12a, SS17a]. **Cases** [SG19b]. **Cash** [YMWS11, Bro12, Pec12, Zor12]. **Casting** [CW12b]. **cat** [Pow14]. **Catalan** [SAM+19b]. **Catalog** [AHS13]. **Catching** [SXH+19]. **CBA** [KRM+10]. **CCA** [AHS14, BWLA16, CBJX19, CZLC14, HWS+19, LLPY19, LTZY16, LSLW15, LLG19, MSas12, PDNH15, SYL13, SLZ12, yYqWqZC13, ZYY19, ZY17a, ZSW+18b]. **CCA-Secure** [BWLA16, CZLC14, LTZY16, SYL13, yYqWqZC13, ZSW+18b]. **CCA1** [MSas13]. **CCA2** [Gal13, GV14b, LLW16, LLSW16, MVVR12, RG10, ZZ12, ZY17b]. **CCA2-secure** [LLW16, ZY17b]. **CCM** [SKK10]. **CDF** [Ara13]. **CDH** [PDNH15, ZG10]. **CDPS** [LLL+17b]. **CDTA** [YFT17]. **cell** [LLY+12a]. **cell-counting-based** [LLY+12a]. **Cells** [DSB16]. **Cellular** [dRSdlVC12, Ang16, FMA+18, HBBRNM+16, HCM11, KFE19, KRM+10, SS11, WOLS12]. **Censorship** [DRS16]. **Centers** [SDC+17]. **centralized** [NACLR12]. **centre** [McK10, McK11, Pal16, ISC+16]. **Centric** [DLZ+16b, FP19, Vle12, XHZ+19, ZVG16, AHM+18, BLV17, BPP10, PN10, YWY+19]. **centroid** [LWY12]. **Centuries** [Gri15, McG11]. **Century** [Wes16]. **Cerf** [Cer15, Cer18]. **Certificate** [GWWC15, HP12, LTH+15, LDZ16, WMS+12, YLZ+16, ZGCZ18, BJR+14, GLL+18, Lan13, LHM+10, LDZ+14, LL16a, MBF+13, NPH+14, JB11]. **Certificate-Based** [GWWC15, HP12, LTH+15, LDZ16, WMS+12, ZGCZ18, YLZ+16, GLL+18, LHM+10, LDZ+14, LL16a]. **Certificateless** [CT18, GWWC15, IL15, LSQZ17, LSQL18a, LZCK14, RSD19, SZS14, TCL15, WMS+12, YT11a, YT11b, YJSL18, YY17b, ZM18, ZSY19, DXWD16, HPC12, JXLZ15, LL16b, SGJ+18, ZQWZ10, ZY17b]. **Certificates** [HP17, Muf16, SC12, GIJ+12, HREJ14]. **Certification** [LDB+15, Ver17]. **Certified** [ABBD13, CLL16, STC11, HL14, LH13, XWXC14, YN19]. **CertShim** [NPH+14]. **chaff** [KHMB13]. **Chain** [EAA+16, FVK17, KPW13, QZL+16a, QZL+16b, YFT17, YSF+18, YFT18, CR12, Par18, CL16, SJWH+17]. **Chaining** [GGK18, YM18, EA11]. **Chains** [GKG19, JSK+17, HLYS14, JCHS16]. **Challenge** [AD12, GHS14, SPK17, YDH+15, ZCC15]. **Challenges** [CN12, FREP17, FS15, Fra15, Lal14, LLGJ16, MRS+17, PCY+17, SBV14, TCMLN19, ALL+18, Hod19, KJN+16, WS14]. **Chances** [ALL+18]. **Change** [KMJ18, ZWT13]. **Changeable** [FGM10, ZCL+12]. **changed** [Mac12]. **changes** [PTRV18]. **Changing** [Abb12]. **Channel** [AMMV18, AN17, ASN11, ACA+16, Bar16b, BCHC19, Bul18, CDK+10, CBL13, CATB19, DZS+18, EWS14, GWM16, GPT14, HLH19, KOP12, LGR14, LWML16, NDC+13, PRC12, SG15, TT12, YL17, ZBPF18, ADG16, BVIB12, BCDN17, CPPT18, CAM19, DMWS12, DJL+12, GZSW19, GSAV18, JLT+12, LM14, LFK19, MFH13, ZYGY18]. **Channels** [ASN12, BGN17, DKMR15, EPAG16, FDY+19, KW14, SS19, VCD16, Vua10, YDV19, AGH+17, BCND19, BEB+18, CL16, DMV15, DKL+16, LWZG10, MCL+19, NR11, SM19b, SRB+12, WMU14, ZPZ+16]. **Chaos** [AIA+18a, LW13c, RR11, RVRSCM12, ARG19, CCLL11, LW13b, jT12b, ZLW+12, SGFCRM+18]. **chaos-and-Hamming** [CCLL11]. **Chaos-Based** [RR11, RVRSCM12, AIA+18a, LW13c, ZLW+12]. **Chaotic** [BCGH11, IAD10, LFX+18, Ye10, Bro19, GCH15, ISC+16, KCS+18, KLW+16,

LWK+18, LWW+19, LW10, LZKX19, NES+14, WDG19, WGZ+12, ZT14]. **Chapman** [Ful10]. **Character** [SS12b]. **Characteristic** [BGJT14, NR15, SR10, ZWZ17a, BGJT13, Jou13]. **Characteristics** [SSP19, TCMLN19, BEB+18]. **Characterization** [ALR13, BS13b, CRS+18, DPCM16, RZ19, YZLC12, YDV19, DDD14, PLGMCdF18]. **Characterizing** [Ash14, JR13, RVS+18, MPJ+16]. **Charging** [CKHP19, LSY+16]. **chart** [Pec17]. **Chattarjee** [Kat13]. **cheat** [WS12]. **cheat-preventing** [WS12]. **Cheater** [KI11, Oba11]. **Chebyshev** [HD19, LWW+19, LPdS10]. **Check** [GST12]. **Check-before-Output** [GST12]. **Checkability** [LHL+14]. **Checkable** [IW14]. **Checking** [FYMY15, YL17, SYY+17, YXA+16, PZL+19]. **Chen** [LLLK10]. **Chennai** [BC11]. **China** [BYL10, IEE11a, LTW11, Yan10]. **Chinese** [HF14a]. **Chip** [Bis17, HZS+19, KS18a, LGLK17, MDAB10, BAB+13, BGG+13]. **Chips** [Man13, SOS15]. **Chirp** [OWHS12]. **Cho** [SPLHCB14]. **chocolate** [Svo14]. **choice** [LLP+18]. **choosing** [BL17]. **Choquet** [SH11, SM11, SNM14]. **Chosen** [FSGW12, zGXW12, HLW12, HPY10, LCT+14, LZC12a, LLML12, MH14, RS10, WWHL12, GLM+16, GH12, LZC14]. **Chosen-Ciphertext** [RS10, FSGW12, LCT+14, GH12, LZC14]. **Church** [ABJ13]. **CHURNs** [RBNB15]. **Cipher** [BW16, BFMT16, BCG+12b, CMLS15, CGCS12, DM18, DG12, DWWZ12, EHKSS19, Fis15, FXP+17, GLLSN12, GCS+13, HZ11, Hey17, IOM12, JKP12, KR11, KWS+12, LPS12, LYK19, LWZ12, LJ17, LJ19, LWKP12, LWPF12, MRTV12, MHC12, MS12b, OGK+15, PH12a, PRC12, WSSO12, WHN+12, YCL17, ZAG19, AMS+10, BNY14, CR12, FVK17, HKT11, Hol12, Jeo13, KDH15, Lew10, LC13, LYHH14, LWKP14, MNP12, PL16, Ree15, RS14, Sar11, WYL14, WWBC14, ZSW+18a, LGL+12]. **Ciphers** [ABS+12, BMS12, BSS+13, BM18, BKLS12, Bru12, CWP12, DGFH18, DGlS12, DJG+15, EGG+12, EKP+13, GT12, GST12, GNL12, Has16, Hey17, IS12, KE19, KPC+16, Kla10, LCLW17, LGLL12, LJ16, MD12b, NN12, PDJ+19, Pud12, Sas12, SEHK12, SJLK18, Sta11a, Vua10, WH18, WW12, Xie12a, Xie12b, ZH15, ZSW+12, Zha12, Bay10, Bia12, Bor10, Die12, GMT+12, KM10a, LGP19, LWK11, MCL+19, MRT10, MHV15, MHY+18, QGGL13, SKK10, TQL+14, WB12]. **Ciphertext** [BDPS12, CWWL12, CHH+19, zGXW12, HLW12, JMG+16, JSMG18a, KA17, LZC12a, LLML12, MH14, PDNH15, PPS12b, Rao17, RWZ12, RS10, SSW12, VSR12, WWHL12, XMLC13, XWLJ16, YM19, ZHW15, CPPT18, FSGW12, GLM+16, GH12, HPY10, HKHK13, JSMG18b, KTT12, LCT+14, LFWS15, LZC14, LDZW19, QRW+18, RD17, SGM16, WZC16, WLFX17, XWS17, LAL+15, LHL15]. **Ciphertext-only** [KA17]. **Ciphertext-Policy** [CHH+19, Rao17, XMLC13, XWLJ16, ZHW15, JSMG18a, JSMG18b, LFWS15, LDZW19, QRW+18, WZC16, XWS17, LAL+15, LHL15]. **Ciphertexts** [LLPY19, Sta12, WQZ+16, AHL+12, JSMG18b, LCT+14, NMP+13, WXLY16, ZWY+19]. **Circle** [SC10]. **Circuit** [AH19, EAAAA19, Kar12, MTY11, XWS17, XWLJ16, Lau12, MS13a]. **Circuit-Size** [MTY11]. **Circuits** [AIK14, AS17, BCKP17, BR14, GGH+16a, GH11a, GVW15, MBF18, SS10b, SS12a]. **circumstance** [ZLY+19]. **Circumventing** [BAG12]. **CISSP** [STC11]. **cities** [LZD+19, SSSA18]. **Citizen** [Ano16e]. **City** [Ano17d, GAI+18, JZU+19, LNK+18a]. **claimant** [YI17]. **Claims** [SKGY14]. **Clara** [MSH+16]. **Class** [BCG12a, SY15a, XYXYX11, BJ16, Goo12, KK10]. **Classes**

[ÁCZ16]. **Classical** [BCDN17, DSLB18, JEA+15, MSU13, SSU12, CR12, RK11]. **Classical-quantum** [BCDN17]. **Classification** [CHH+19, HPC10, HS18, KAHKB17, SGP+12, ZLW+17, ACMP19, HZW19, LHL+18]. **Classifiers** [KGV16, LCM+17]. **classroom** [Pow14]. **Claudius** [Hol12]. **Clean** [Fri13]. **CLEFIA** [LWZ12, TSLL11, TS16a, WB12]. **CLEFIA-128** [TSLL11]. **CLEFIA-type** [WB12]. **Client** [ASM12, CTC+15, FD11, RAZS15, Vle12, BK19, FA14a, FA14b, GSGM16, JLX+19, MHL18, SG19a, hSZZ15, WT10a]. **Client-Based** [ASM12]. **Client-Centric** [Vle12]. **client-server** [BK19, FA14b, MHL18, hSZZ15]. **client-side** [SG19a]. **Clients** [Chi16, LLPY19, LH13]. **cloaking** [NZL+15]. **Clock** [VTY18]. **cloning** [CHH+13]. **Close** [Wal18]. **Cloud** [AJA16, BDL+19, BCQ+13, BTK15, BCK17, CWL+14, CWL16, CDFZ16, CCT+14, CLW16, CDLW19, DK16a, DXA14, FYD+19, FCM14, FPY15, HWZP18, Her19, JLS12, JWNS19, KMSM15, KS18b, KKA15, Küp15, LA15, LLPY19, LYZ+13, LGR14, LLC+15, LCDP15, LNXY15, MLO17, MJW+18, MGJ19, PSM17, Pet12, PBC+17, RSGG15, SGG18, SGJ+18, SKH17, SRAA17, SOR16, TV15, Vle12, VFFHF19, WLFX17, WRP70, WHLH17, WWW17, XNKG15, XWSW16, XMLC13, XWLJ16, XJW+16, YDY+16, YZDZ19, YHL16, YJSL18, YXA+16, YMC+17, ZZQ+19, ZDL12, ZLDC15, ZVG16, ZLW+17, ZZL+18, AaBT16, AKKY17, AZPC14, ASO14, AAZ+16, AKK+17, ABR13, ADH17, ALL+18, Bel18b, BSBG19, BZD16a, BG14, BK12b, CFVP16, CSD18, CLH+16, CXWT19, CZ15b, CDL18, DDY+19, DYZ+15, EAAAA19, FH13, FLYL16a, FNWL18, GQH17, GLB+18, GZS+18, HSM13, HZWZ18, HK19, HYL+19, HYS18, IMB17, Jeo13, KKA14, KKM+13, KKM+14, KSB+17]. **cloud** [KLW+17, KKD+18, LXK+14, LZY+16, LLH17, LZWZ19, LWW+19, LAL+15, LW13a, LYL15, LHL15, LCY+16, LZC17, MLM16, MSGCDPSS18, NR17, Nam19, NB13, ODK+17, PPA18, PP11, PPG19, PWS19a, Rao17, RR16, SG19a, SLL+19, SYY+17, SAR18b, SLM10, SKB+17, SWW+16, SWW+17, SA19, TLMM13, WLWG11, WL12, WSC14, WMX+17, WXMZ19, WDV18, WLS14, WS19, WCCH18, WL19, XXX15, XWK+17, XWY+18, XTZ+19, XYML19, YYS+16, YZCT17, YHHM18, YQOL17, YQZ+19, YWT+12, ZYC+17, ZVH14, ZDW+16, ZZC17, ZWS+18, ZFH+18, ZLY+19, ZHT16, ZZL+19]. **Cloud-aided** [SGJ+18, WLFX17]. **cloud-assisted** [WDV18]. **Cloud-Based** [KS18b, SRAA17, ASO14, BK12b, WCCH18]. **cloud-edge** [CXWT19]. **Cloud-Edges** [BDL+19]. **cloud-hosted** [SG19a]. **Cloud-Manager-Based** [KKA15]. **Cloud-of-Clouds** [BCQ+13]. **Cloud/Fog** [JWNS19, LWW+19]. **Cloudier** [CFE16]. **Clouds** [BCQ+13, HLC+18, RHLK18, RSN14, HFT16, IC17, JKL+16, LFWS15, LL16a, Wu17, YNX+16]. **cluster** [BYDC19]. **Clustered** [DS11, KS18b]. **Clustering** [KRDH13, VSV15]. **CMAC** [SKK10]. **Co** [LFH18, MBR15, MRL+18, HFCR13]. **Co-analysis** [LFH18]. **Co-Design** [MRL+18]. **Co-operative** [HFCR13]. **Co-Processor** [MBR15]. **coal** [KO16]. **cocktail** [OHJ10]. **Coda** [Ber16a]. **Code** [AD12, Bud16, CCL+13, Col17, Cop10a, Fox13, HG12, KSSY12, Mun17, PYM+13, SS13, Sen17, Sti15, War11, ABBD13, Ant14, Bha16, Bri11, CCLL11, CCMB19, CBJY16, EM19, GIJ+12, GAB19, MCP15, McG11, McK12, Moo14, OF11, PTRV18, PA10, Wes15]. **Code-Based** [HG12, SS13, Sen17, CCMB19, GAB19, MCP15]. **code-breaking** [Ant14, Bri11]. **Code-cracking** [War11]. **codebreaker** [Car11]. **Codebreakers** [RNQ16, Ano11c, Bud16, Maf16, McK12,

Smi11a]. **Codebreaking** [Bai12, RS18, Cop06, Cop10b, McK10, McK11]. **Coded** [She14]. **Codes** [ACA+16, Ano19b, BBC+13, Bay10, BP06, BKST18, Big08, DBPS12, DPW18, FMNV14, GMNS15, Gri15, HC17, KW14, MBR15, OTD10, PWBJ17, SEY14, ST14, TLW12, WGF16, WSS12, Xie12a, Xie12b, YTP11, Yek10, ATI+10, Bul10a, CZ15a, Chi13a, Fag17, Hea15, LTT10, MG15, ÖŞ11, Tan15b, YSJL14, Ayu12, Low12, Nag19]. **Codevelopment** [DF16]. **Coding** [ACA+16, Che11, CWL16, CJ13, CG14a, DG17, Hes12, LCLL15, Per13, SSKL16, WCXZ17, AZF+12, Bul10b, CJXX19, DTZZ12, JZS+10, KM11, LLP+18, NDNR13, OF11, Tan15b, YTM+14, Kim15]. **CoDiP2P** [NCCG13]. **Codon** [HEK18]. **Coefficients** [BDB14]. **Coercion** [CW12b]. **Cognitive** [PP11, BSBG19, Kim11, OK18, RPG12]. **Cohen** [Ara13]. **Coherence** [YDV19]. **Coin** [ALR13, BHT18, CLP13a, CK17, DSMM14, Mat14, BB14, Wag16]. **Coins** [Fok12]. **CoinTerra** [BH15]. **COIP** [BCF16]. **COIP-Continuous** [BCF16]. **Colbert** [Dew11]. **Collaborating** [SDC+17]. **Collaboration** [CRE+12, PCPK14, CWZL13, DYZ+15, HYS18]. **Collaboration-Preserving** [CRE+12]. **Collaborative** [MJW+18, LLY06, LT14b, HB13]. **Collabratec** [Ano16g]. **collect** [Sch15c]. **Collective** [IM16]. **Collision** [BK12a, ZL12, AKY13, Con17, SKP15, SBK+17]. **Collision-based** [ZL12]. **Collision-Resistant** [BK12a]. **Collusion** [MMSD13, RVH+16, FLZ+12, GMRT+15, SCBL16, ZZL+19]. **collusion-attack-resilient** [SCBL16]. **collusion-resistant** [GMRT+15]. **collusion-resisting** [ZZL+19]. **Collusions** [GVW12]. **Color** [BCPV11, DD13, FR16, HD19, LW10, MR16, RMG18, ST15, yWXyZ+18, YWNW15, Bro19, MSM+18b, SNM14, yWpWyYpN13, WGZ+12, YSC16]. **colors** [MMLN15]. **Colossal** [Hai17]. **Colossus** [Cop06, Cop10a, Cop10b, HP18, Wil18]. **Coloured** [PS14]. **Column** [FS15]. **combating** [FTV+10]. **combination** [Wat14a]. **combinational** [MS13a]. **Combinatorial** [ZÁC17]. **Combined** [PP10b, PDJ+19, RMTA18]. **Combining** [AGBR19, Chi13a, CDF+10]. **Coming** [SOG15]. **Comment** [LCLL15, Ver17]. **Comments** [IC17, Kim15, hSZZ15, Tan11, TCL15, XWS17]. **Commerce** [Bla16, HvS12, Orm16, Ano11a]. **Commitment** [CK17]. **Commitments** [Pas13a, CSZ+11, LP11]. **Committee** [Bla16]. **commodity** [KKJ+16]. **Common** [CN12, DHB16, ESRI14]. **Communication** [ADM19, Alz19, BPSD17, Big08, BCG19, CCM17, CCW+10, FMS12b, Gas13, GPVCdBRO12, KW14, Low12, OKG+12, Wan13, ZC13, ZHW+16, AASSAA18, ADG16, BEB+18, DKL+16, GM13b, HCCC11, HLYS14, HPY10, KRM+10, KTUI16, LT13, LyWSZ10, MCN+18, QMC17, RK11, SSAF11, SSPL+13, Tso13, WLZ+16, YKGK13, Zhu13, vDKS11]. **communication-efficient** [Tso13, Zhu13]. **Communication-resource-aware** [Wan13]. **communicationless** [DGL19]. **Communications** [FMC19, JTZ+16, KSD+17, KYEV+18, OO12, PSM+18, RSD19, SSKL16, SMS14, AMN18, Ang16, BC16, DMM10, DZC16, Edw17, FHH10a, Han12, LFGCGCRP14, LLZ+16, MHY+18, RS15, TKG+17, WDZL13, ZZY+19]. **Community** [BPS16]. **Commutative** [CLHC12, SLGZ12]. **Commutativity** [ABR12]. **Commuting** [Fuc11, AKG13]. **Compact** [CFOR12, CKLM13, EGG+12, LYX+19, LSQX19, MAS16, SJLK18, Seo18, TV19, VSR12, YM19, ZMW16]. **compacting** [CPPT18]. **Companion**

[KR11]. **Comparable** [XHX+17]. **Comparative** [DDR+16, MHV15, BKR19, NR11]. **Comparing** [KTM+18]. **Comparison** [CGCS12, DWB12, HPC10, KU12, KA18, MZLS18, ST14, HM10, LCM+17]. **comparisons** [Mid10]. **compartmented** [EZ15]. **Compensated** [GKSB17]. **Compensation** [JSZS12, WMU14]. **Competition** [jCPB+12]. **competitive** [MD15]. **Compilation** [CHS15]. **compiler** [LWS10]. **Compiling** [CR10]. **complementary** [MMLN15]. **Complete** [Ash14, BCEO19, BCEO20, BS14, FLH13, GHKL11]. **completely** [Con17, Win17]. **Completeness** [FKS+13]. **Completion** [MHW+19]. **Complex** [pNyWyY+14, VGA15, BW13, LZKX19]. **Complexity** [BBD19, BIKK14, BCG19, BW12, DP12, FS15, Gas13, HHS+15, Shp03, AAT16, DJL+12, Jou13, KGO10, LWW+10, SDM14]. **Compliance** [SOF12, Tay19]. **compliant** [BP10, Lan11]. **Component** [BKLS18, MV16a, Bre18]. **components** [RITF+11]. **Composable** [DN12, KMO14]. **Composing** [TW14]. **Composite** [Dun12a, GM16b, ZL19, BBDL+17, NDSA17]. **Composite-Field** [GM16b]. **Composition** [LJS+14, NRZQ15, Ana14, AGH+17]. **compound** [BJ16, KPS10, jT12b]. **Comprehensive** [GSFT16, YFT17, YJSL18, ZBPF18, Bul10a, KAS15]. **compress** [LC13]. **Compressed** [DG17, JSCM17, KD12a, SR12a, WLZL12, CLF11, Fay16]. **Compressed-Domain** [WLZL12]. **Compressibility** [HN10]. **Compression** [CNT12, DLGT19, DA12, JSA17, LJF19, LD13, MAL10, PMZ13, PP10b, TCN+17, WHZ12, ZSP+19, Ara13, CMMS17, DTZZ12, KV19b, LK14, Li10, LPZJ15, PP11, QZ14, RSMA19, SI12]. **compression-based** [SI12]. **Compression/Decompression** [PP10b]. **Compressive** [CCZC13]. **Compromise** [YNR12b, GBNM11, PX13]. **Compromised** [DSSDW14, DSSDW17, ZYL+10]. **Compromising** [BC14, BM18]. **Compulsory** [QRW+18]. **Comput** [HYS18]. **Computability** [Gas13]. **Computable** [LGH+17, FWS13]. **Computation** [ARM15a, ARH14, ABPP16, ABL+18, Ash14, Bee17, BDOZ11, CATB19, Fri10b, GST12, GVW12, GHKL11, HP14, HC17, HZX+18, IEE11a, Jin10, KW14, KMO14, LHM+15, LQD+16, MMP14, Mal13, NSMS14, PST13, RS17a, SZHY19, SVCV15, SZQ+17, TX16, TM18, Wat10, ABDP15, AB10b, BHH19, DEL19, DGL19, LDDAM12, PHGR16, TG12, YSQM19, vDKS11]. **Computational** [BBD19, BCO13, GKS17, RD17, RPHJ11, TBCB15, HRS13, SJ19, SDM14]. **Computationally** [BCEO19, BCEO20]. **Computations** [ARM15b, CK18, KHPP16, Nac16, PH16, ADMM16, BK12b, LWW+19, LR15, SSAF11, TLMM13]. **Compute** [MJW+18, Vai12, PZ15]. **Computer** [BGK12, BCGK12, BGB12, BdD19, Bul10b, DF16, Gas13, IEE10, IEE11b, IEE13, LL15, MSH+16, Nag19, Nie02, Orm16, PWBJ17, Roh19, TBL19, TT18, Ter11, Vua10, ABBD13, DK12, FGPGP14, PHWM10, Sta11c]. **Computer-Aided** [BGK12, BCGK12, BGB12, ABBD13]. **Computers** [Mos18, Bre18, Cop06, Cop10b, Dya19, LCKBJ12, Mac12, MvO11, PHWM10]. **Computing** [ACM10, ACM11, AMMV18, Abb12, AJA16, Ano17e, BCG+12b, BTK15, CLB19, Cer14, CGB+10, DXA14, EAA12, FES10, Gen10, GB19, JWNS19, KMSM15, KP17, LCK11, LT14a, LYZ+13, LLC+15, LLGJ16, LNXY15, MLO17, OS16, PAF18, Pet12, RS18, Roh19, SJWH+17, SLM10, Vai11, Vle12, WRP70, XMLC13, XWLJ16, YE12, YZDZ19, YHL16, ZLDC15, AaBT16, AAZ+16, And13, And19, ABR13, BZD16a, CXWT19, CZ15b,

CSTR16, DKL+16, DWZ12, DYZ+15, Dya19, GQH17, Gop19, HSM13, HYS18, Jeo13, JSMG18a, KKA14, KKM+13, KKM+14, KSB+17, KH18, LXK+14, LLH17, LYL15, LHL15, MS12a, NR17, Nam19, NCCG13, ODK+17, PPA18, PP11, PKA15, QZDJ16, QRW+18, Rao17, Tan12b, WSC14, Wan18a, WDKV19, WLS14, WL19, XXX15, XZP+19, XWY+18, XTZ+19, YHHM18, YWK+10a, YQOL17, YY11, ZWS+18, ZLY+19, ZSW+18b, YXA+18]. **conceal** [EEAZ13]. **Concealed** [ARWK19]. **Concept** [GKG19, TMC15]. **Conceptual** [PMZ12, SPM+13, TSH14]. **Concise** [MC19]. **Concrete** [BS14]. **Concurrent** [CLP13a, FCM14, GJO+13, MKRM10, OOR+14, AKG13, SRB+12, XLWZ16]. **condition** [TD14]. **Conditional** [HBCC13, KPW13, LK18, LLG15, LSLW15, MLO17, XJW+16, FSGW11, FSGW12, HWDL16, HYF18, IOV+18, LCT+14, MGB19, PZBF18, SKB+17, Tan12b]. **Conditionally** [ZJ14]. **Conditions** [Ano17d]. **Conference** [BC11, CGB+10, Che11, Cra12, Dan12, Dun12b, FBM12, GLIC10, IEE11a, JY14, LCK11, LW11a, LTW11, Lin14b, PJ12, SNJ11, Sah13, Yan10, AB10a, Abe10, BYL10, BL10, Gil10, GG10, HWG10, Kia11, LH10a, Pie10, Rab10, vDKS11]. **Conferences** [NSP+18]. **Confidential** [HS11, AZPC14]. **Confidentiality** [BFK+10, DGFH18, HLLC11, OFMR16, PWS+19b, SZQ+17, WDDW12, Bia12, CHX13, EBAÇ17, ZHT16]. **Confidentiality-Preserving** [OFMR16, SZQ+17]. **Configurable** [CVG+13]. **Configuration** [Bis17, SHBC19]. **Configurations** [SS10b]. **confirmation** [LH11a]. **Congruence** [VM14]. **conjecture** [GV14a]. **conjunction** [Kre13]. **Conjunctive** [CWWL12, BL11, WL19, XTZ+19, XLC+19, YQZ+19, ZZ11]. **conjunctive-subset** [ZZ11]. **connected** [ZAAB17]. **Connection** [CW12b, HLYS14, WGD18, MZ17a]. **Connectivity** [GTT11]. **conscious** [Ree15]. **Consecutive** [Tan12a]. **Consensus** [ABCL17, JSK+17, LLKA19]. **Consequences** [Ess17, SS19, VWC19]. **Consideration** [CJP12, CJP15, KM10b]. **Considerations** [BF19, KD12b]. **considering** [MLMSMG12]. **Consistency** [BCK17, SES+16]. **Consolidated** [KKA14]. **Constant** [App14, AEHS15, BBCL19, BHT18, CWWL12, KOTY17, KHPP16, KMO14, LP11, LSQX19, MWES19, Pan14, ZMW16, AHL+12, DWZ12, LCT+14, SGM16, ZWY+19]. **Constant-Round** [KOTY17, KMO14, LP11]. **Constant-Size** [AEHS15, AHL+12, LCT+14, SGM16, ZWY+19]. **Constant-Time** [BBCL19, MWES19]. **constants** [DWZ12]. **Constrained** [BSJ15, CSH+18, CRS+18, EAA12, JMG+16, KÖ14, YNR12a, Yon12, DMV15, KAS15, LLZ+16, LCL+17a, PCK19]. **Constrained-Version** [KÖ14]. **Constraint** [ZSH+19, GLMS18]. **Constraints** [CCKM16]. **Construct** [SGY11, WT13]. **Constructed** [Ye10, ZH15, Dya19]. **Constructing** [CDSLY14, KÖ14, ZSW+12, HRV10]. **Construction** [BWLA16, DF11, EM12, FZT14, GWWC15, HHP17, KMO14, MM17b, MSas12, Rog16, Sar10b, ST14, WZ15, WCL+18, WMS+12, XHX+17, ZL19, LFZ+17, LW19, MSas13, SA14, YWL+17, YT11b, YKC+12, ZCLL14, ZYM19]. **Constructions** [BCF+14, DQFL12, HL10b, KOTY17, LHM+10, SNJ11, SES+16, CZ15a, CGKO11, NAL17, Zim10]. **Constructive** [Mau12, WB12]. **constructs** [BP10]. **consumption** [JS18a, MMF15]. **contactless** [CHH+13]. **Containers** [HVP+18]. **Containing** [XWDN12]. **contemporaries** [LCKBJ12]. **Contemporary** [Opp11]. **Content** [AAA+19, ADR18, BCP14a,

KD19, MHT+13, PMZ13, PZPS15, WHZ12, WZXL12, YT12, ZXZ+11, GPN+12, HPL+19, JS18a, YWY+19]. **Content-based** [KD19, MHT+13, YWY+19]. **content-centric** [YWY+19]. **Contents** [BCG10, MSM+18b, SKS+18]. **contest** [Cra14]. **Contests** [WXY+17]. **Context** [AKS19, Fra16, SYv+19, ZCWS15, BGE+18, SSSA18]. **Context-aware** [AKS19]. **Context-Driven** [SYv+19]. **contextual** [Svo14]. **Continual** [BKKV10, XZY+12, YZ12, YCZY12]. **Continual-Leakage** [YZ12]. **Continually** [DLWW11]. **Continuous** [ACAT+15, BCF16, DHLAW10, uHAN+18, FMNV14, GMDR19, LKBK19, MSKRJ17, PYP10, SCFB15, Sch15b, SRT12, Yam12, ZY17a, ZYM18, ZYH+19, ARL13, BTW15, CXX+19, CRS13, HYL+19, LWYM16, PLGMCdF18, SCR19b, ZYM19]. **Continuous-Tone** [Yam12]. **contract** [MMP19, Men13b]. **Contracts** [BNMH17]. **contrast** [DDD14, GLW13, LWL10a, MM14a]. **Contributors** [Ma17a]. **Contributory** [WQZ+16]. **Control** [AMSPL19, ATS15, BFK+10, DLZ+16b, GGK18, GRRZ18, HBC+19, HHS+15, HLC+18, LGM+16, LGLK17, LJP17, MM17a, MK12b, NA10b, PV17, QZL+16a, RSN14, SGC14, SYv+19, TBCB15, XMLC13, XHZ+19, YTH17, ARL13, ACK+10, AMHJ10, BBTC20, CLH+16, CO11, Cra11, FG19, FNWL18, FS18, GHD19, HPJ+19, JAS+11, LCL+17a, LCL+15, LLH17, LHH+18, MDHM18, NZM10, QCX18, RR17, Sch15c, SA15, Tan12b, Wan18a, XHH12, XYML19, YWJ+19, ZML17, ZDHZ18, ZVH14, ZWS+18, ZFH+18, ZZL+18]. **Controllable** [FH13, ZLDC15, ZHT16]. **Controlled** [FMTR12, HKK19, WP17, WXMZ19, Har16, SM10c, XLC+19]. **Controller** [GMVV17]. **Controllers** [AMH+16]. **controls** [CGH11]. **controversy** [McG11]. **conundrum** [Eve12]. **Conversations** [WBC+10]. **Converse** [KPKS12]. **Conversion** [BJ10b]. **converter** [Pau19]. **Convertible** [CLL16, LH11c, HL11, LHH11, XWXC14]. **Convex** [LLSL19]. **Convolution** [DWZ18, HZW19, HW19]. **Convolutional** [WYL18, KMG17, MG15]. **Cookie** [FVJ19]. **cookies** [DCAT12]. **CookiExt** [BCFK15]. **Cooperative** [LLZ+12, SJWH+17, ZLDC15, WQZ+13]. **Coordinate** [YKK18]. **Coppersmith** [Dra16]. **Coprime** [GL19]. **coprocessor** [ABC+12, BGG+13, IBM13b]. **coprocessors** [GCVR17]. **Copy** [YT12, MHT+13]. **Copyright** [SJ12, ZWWW17, GJ13]. **Core** [LB13, YWF18, YS15, AVAH18, RS17c, HLYS14]. **Cores** [MGG+19]. **CORMORANT** [HFS+19]. **cornerstone** [Tan17b]. **Correct** [PST13, Lan11]. **CorrectDB** [BS13a]. **correcting** [ATI+10, LTT10, MCP15]. **Correction** [KSH18a, LSC+15, yWXyZ+18, Chi13a, Sun16]. **Correctness** [YGS+17, WS13]. **Correlated** [RS10, Jia16, ZPZ+16]. **Correlation** [BW12, FAA+18, LD13, SDM+12, WWBC14, XHH12, YCL17]. **correlations** [Sar14]. **Correspondence** [SY14]. **corresponding** [DWZ12]. **Corrigendum** [HYS18, WZM12a]. **Corrupted** [Fyo19]. **cosmography** [Pet11]. **Cost** [ABC+17, AMH+16, CMLS15, CJP12, GI12, HLT+15, LZZ+19a, Man13, NVM+17, WMX+17, WHLH17, CZ14, CJP15, LEW19, Sar10a, YL11]. **Cost-Effective** [HLT+15, WHLH17, WMX+17]. **Costas** [TRD11]. **Costs** [KHPP16, RPHJ11]. **could** [And19]. **couldn't** [Bha16]. **Countdown** [Zet14]. **Counter** [ARP12, KMJ18, MKASJ18, Fay16]. **Counterexample** [KPW13]. **Counterfeit** [YFT17]. **Counterfeiting** [Alz19, Ano16f, Bro12]. **counterfeits** [GSN+16]. **Countermeasure**

[BBB+16a, MD12b, GJ19, HYL+19]. **Countermeasures** [BGN17, DZS+18, EWS14, PZPS15, DK17, FAA+18]. **Counters** [BM18]. **Counting** [Bul18, LLY+12a]. **Coupling** [SMS14]. **course** [KKM11]. **Cousins** [BPBF12]. **cover** [UUN13]. **Covert** [EPAG16, JTZ+16, NSA15, VCD16, YDV19, LT13, LyWSZ10, SRB+12]. **CovertBand** [NTKG17]. **Cozzens** [Led16, Sch15a]. **CP** [TY16a, YMC+17]. **CP-ABE** [YMC+17]. **CPM** [PYM+13]. **CPS** [FQZF18]. **CPU** [LLD19, ZBPF18]. **CPUs** [AVAH18]. **Crack** [Fox13]. **cracked** [Ano13d, McG11, McK12, Moo14]. **Cracking** [Gri15, GAS+16, War11]. **crawlers** [GPN+12]. **CRC** [Ful10, Joh10, GMSW14]. **CRC/Taylor** [Joh10]. **Create** [DFKC17, HGOZ19]. **creating** [Bre18, OO10, Pau19]. **creation** [GJJ18]. **Creativity** [WP15]. **Credential** [YLSZ19, JMW+16, KKM+13, XMHD13]. **Credentials** [CG12a, SSW12]. **Credible** [ZW15]. **credit** [Mar10b]. **cribs** [Pea11]. **Crisis** [OdH12]. **Criteria** [PYS18, ZZKA17]. **Criteria-Based** [PYS18]. **critical** [YWZ+18]. **crittografia** [Sac14]. **CRM** [LHM+15]. **Cropper** [KLK+19]. **Cropping** [SR12b]. **Cross** [AKK+17, CLY14, DSB15, LHM+15, MV16a, YGFL15, YZL+18, ZXH16, ZTSR12, SS17a, der10]. **Cross-Border** [ZTSR12]. **Cross-Domain** [CLY14, YZL+18]. **Cross-group** [AKK+17]. **Cross-Layer** [LHM+15, ZXH16]. **cross-matching** [SS17a]. **Cross-Site** [DSB15]. **Crossword** [Mar10a]. **Crowd** [Lal14, MJS+19]. **CRT** [PT19]. **CRT-exponent** [PT19]. **Crypsis** [GSC17]. **Crypt** [HHAW19]. **Cryptanalysis** [Bar16b, BW12, Bor10, CWP12, CGCS12, DG12, DJG+15, Far14, GST13, Gor10, HK14a, Hin10, IOM12, Jeo13, JL18, Kha10, KN10, KWS+12, LH10b, LNM+11, LJF16, LFX+18, LSQL18a, LSQX19, LJ16, MWZ12, MV19, MZ15, NXB13, OTD10, PSOMPL13, SPLHCB14, SM10a, SM10b, TY16a, TG17, Vua10, Wag10, WWYZ11, WWYY11, WSSO12, WYW14, XQL11, YCL17, YMWS11, AP11, BMB16, BKR11, Bul10a, Bul10b, CJL16, Con12, DMSD18, Eis10, FVK17, Her10, KDH13, LLLK10, LFW+16, Nov10, PT19, RITF+11, SDM10, SDM14, Sun11, SvT10, Tam15, TSLL11, WYL14, WWBC14, AY12a, AY12b]. **Cryptanalyzing** [LLL17a, LLLH18, ZLW+12]. **CryptDB** [PRZB12]. **Cryptic** [Mar10a]. **Crypto** [Ano13a, BCC+19, DMO+19, Goo12, MWES19, Pfl10, Rab10, SCPSN10a, SCPSN10b, SMSK18, WL11, BSR+14, BGG+13, Hel17a, PTRV18, Hom17]. **Crypto-Currency** [DMO+19]. **crypto-discourse** [Hel17a]. **Crypto-stego** [SMSK18]. **cryptoanarchist** [Pec12]. **Cryptoclub** [Ayu12, BP06]. **Cryptocurrencies** [BNMH17, JSK+17, BH19]. **Cryptocurrency** [Ano16a, BH15, Eya17, FVB+18, RM19]. **cryptograms** [Shy15]. **Cryptographer** [Dun12b, Kia11, Pie10]. **Cryptographers** [Ano16e, BPS16, Goo12]. **Cryptographic** [Abe12, AMKA17, AD12, ARH+18b, ARH+18a, ÁMVZ12, App15, AHWB20, BMP12, BBD19, BEM16, BR19, BCGK12, BGB12, Bar15, BCM+15, BCHL19, BIKK14, BLS12, BDP11, BFCZ12, BDGH15, Bla12, BKL+13, BSJ15, BNA15, CCK12, CCCK16, CK17, CFE16, jCPB+12, CBL13, CHN+18, Cor14b, CATB19, CFG+17, DB16, Des10a, DQFL12, DR11, Ess17, FKS+13, FY11, FLW12, Gir15, GM11, GLR10, GG11, Har16, HN10, HHH+13, HST14, HSA14, IBM13b, JR13, JHW+19, KOP12, LVV11, LLK18, Loe15, MVV12, MKK17, MP12, MKAA17, Muf16, MK12b, NIS13, NA10b, PTT16, PFS12, PS14, PJ12, RMP10, RSBGN12, RPHJ11, Rja12, RBHP15, SK11, SEY14,

SFKR15, Sch12c, Sev16, SGY11, SP15b, Shp03, SDM+12, SR14, SOF12, TW12, Tom16, WSL+19, WRP70, XZL+19, YZLC12, YNR12a, YNR12b, YS15, ZSY19, ABDP15].
cryptographic [AY14a, ABB+14, ABF+14, ABC+12, ABO+17, BYDC19, Bar19, BFG+14, BJ10a, Bon19, CFL13, Cha13a, CFZ+10, CR10, CP13, CLCZ10, Cra11, DGJN14, EBFK13, ESRI14, GGH+16b, GJJ18, Gil10, GLR13, HYL+19, JCL+18, KKJ+16, KSU13, KAS15, Ksi12, KKK+16, LGKY10, LLL+17b, MS13c, Mat19, MMZ12, MM13, Mes15, MSGCDPSS18, MN10, NDNR13, OO18, OMPSPL+19, Pal15, PLPW13, PSdO+13, QZDJ16, SD10, WT13, WMX+17, YSM14, ZHL+11, ZVH14, Zim10, Sha10].
Cryptographic-Key [SK11].
Cryptographical [KU12].
Cryptographically [ADD10, BCGH11, BJL12, BKLS18, MC11, NDG+17, PLSvdLE10, SVCV15, CBL10, GCH15, HJM+11, SA14].
Cryptography [ÁCZ16, Alz19, Ano15c, Ano15d, Ano16b, Ano16c, Ano16j, Ano19a, Ano19b, App14, AAB17, AG18, ACM+17, ARM15b, Bar12, BGK12, Bar15, BBCL19, BRT12, BCGN16, Big08, Bon12, BF19, BKKV10, BJ10b, Buc10, BLM17a, BLM17b, BLM18, BCF+14, CNR14, CT18, CJFH14, Cas10, CGMO14, Che17, CST+17, CDFZ16, CSW12, Cil11, Cra12, DDS12, Dan12, DK02, DK07, DK15, DXA14, DP17, DBT19, DHLAW10, DF16, DKS12, DR11, Eis10, Elb09, FPS12, FHLD19, Feh10, FSK10, Fid18, FBM12, Fre10, GT19, GO17, GFBF12, Gol19, G13, Gre19a, GPT12, GLW12, Ham17, HEP+11, Hes12, HG12, HR19, HPS08, HKR+18, JS18b, JT12a, KM10c, KP10, KAK18, LSL12a, Lin17, LWL10b, LGWY12, LMHH14, LGH+17, LWHS17, LPO+17, MO12, MSI10, Mau12, Men13a, MR14c, Mic10b, MST18, MV12].
Cryptography [MMB17, NNA10, NDR+19, Nie02, NS12, Orm16, PP10a, PÁBC+19, PPH12, PG12, RW12, Rog16, SY14, SG15, SOG15, Sch16c, Sch18, Sch19b, Sen10, SS13, Sen17, SK12b, Seo18, She17, SA16a, Sim15a, SGS14, Sma16, Sta11b, Ste15a, VS16, VGA19, WWL+14, WY12, Wes16, Yam12, Yan11, YTS12, YL17, YYW19, ZZCJ14, ZÁC17, vRDHSP17, vTJ11, AMN18, AMORH13, AEH17, AAT16, AA14, ABBD13, And19, Ano11a, ABW10, ACK+10, BOB13, BB14, Ber14, BL14, BL17, BAB+13, Blö12, BSR+14, BSW12, BBB16b, CFR11, Cha13b, CQX18, Cho14, CSTR16, Con12, CDSLY14, DDD14, DA18, Dav11, DD13, DGMT19, Dur15, Far14, GCVR17, GAB19, Har15, HH15, HZWW17, Hod19, Hof16, IM14, JLT+12, JY14, JW14, Kam19, KL08, KL15, KD18, KKM11, KK10].
cryptography [KGO10, Kre13, KKD+18, KSH18a, KSH18b, Lam13, Lan11, LLLK10, Lin14b, LWL10a, Lüd12, LY14, MCN+18, MS13b, MD12a, MCP15, Mic10a, MHL18, NLYZ12, Nov10, OK18, OTO18, Opp11, PHWM10, PP11, RY10, Sac14, Sah13, SK14, SSAF11, Sta11c, Sti11, Svo14, UK18, VDO14, VN17, WHJ17, WYK12, YT11a, YSC16, YXA+18, YDH+15, YR11, YN19, ZXW+18, vDKS11, Che11, LZJX10, Nac12, Cou12b, Ful10, Gas13, Low12, Mei10, Mur10, Ter11].
cryptography-based [BOB13].
Cryptography-Related [Cil11].
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CryptoLocker [Ano13b, Ano14a].
Cryptology [BC11, Bro11, Dun12b, LW11a, Nag19, PWBJ17, PJ12, AB10a, Abe10, BYL10, BL10, FES10, FGPGP14, Gil10, GG10, Kia11, LH10a, MZ17a, Pal16, Pie10, Rab10, HWG10, LTW11, Kob10].
Cryptomania [Gen13].
Cryptoprocessor [EHKSS19, GV14b, SWM+10].
cryptoscheme [SLXX16].
Cryptosystem [CCT+14, KD19, LH10b, SZHY19, SWM+10, WSQ+16, Zaj19, ACD18, AK14a, BS15, Chi13a, Gal13, GV14a, GLB+18, IB11, LZ11, LYC+10, MM13, MG15, NZM10,

SvT10, yYqWqZC13, YY11, YY13, sCR19a]. **Cryptosystems** [ADI11, CLND19, OTD10, PSM17, ZSP+19, AHG18, AJYG18, AVAH18, BNST17, FWS13, SA16b, ZYM19]. **Cryptovirology** [YY17a]. **CryptRndTest** [DB16]. **CS** [LJ19]. **Csec** [AD12]. **CT** [Dun12b, Kia11, Pie10]. **CT-RSA** [Dun12b, Kia11, Pie10]. **CTRL** [HKK19]. **CTRL-PACE** [HKK19]. **Cube** [HIJ+19, MS12b, YWM19]. **Cubic** [RW12, VM14]. **Cuckoo** [BHKN13, sCR19a]. **CUDA** [DLV16]. **Cue** [KTM+18]. **Cue-based** [KTM+18]. **CueAuth** [KTM+18]. **cultural** [Mid10]. **Culture** [Bla12, SR14]. **Currencies** [TS16b]. **Currency** [AHWB20, DMO+19, Cou12a]. **Current** [DP17, GCK12, FPBG14]. **Curse** [GG11, HB14]. **curvature** [GJ13]. **curvature-feature** [GJ13]. **Curve** [ARM15a, ADI11, ADSH18, ARM15b, BJ10b, FHLD19, GT19, GPT12, LGH+17, LWHS17, MSTA17, NR15, PÁBC+19, PPH12, SG15, vRDHSP17, AMN18, BL14, BL17, BBB16b, Cho14, Far14, FWS13, IB11, Khl18, KKM11, KK10, Kre13, KKD+18, MCN+18, MS13b, MHL18, NZM10, SKH15, WHJ17, YY13, JL16]. **Curve25519** [SG15]. **Curve41417** [BCL14]. **Curves** [AMMV18, ACA+16, AK14b, BSCTV17, BWR12a, CMRH17, DW12, Gre19a, LL11, LT14a, MST18, Nag19, PWBJ17, Sch19b, She17, TX16, YTS12, BL17, BP18, FK19]. **Custom** [ÖDSS17]. **Customization** [OdH12]. **cut** [Fai19]. **Cyber** [LJS+14, vdWEG18, GQH17, GHD19, HZWZ18, KSA16, QMC17]. **Cyber-Espionage** [LJS+14]. **cyber-physical** [GHD19, HZWZ18, QMC17]. **Cyber-security** [vdWEG18]. **Cybernetica** [Ano17c]. **Cybersecurity** [Bel15, DF16, Hel17b, Lan17, LRVW14, Mos18, Sch19a, SDC+17, SPG+19, YK16, AP18, GQH17]. **CybSI** [YK16]. **Cycle** [HG12, KU12, MKN13]. **Cycle-Based** [MKN13]. **Cycles** [BSCTV17, WBA17, CLCZ10]. **Cyclic** [Che18, OTD10].

D [AM19, AP10, Bro19, CG12b, DBPS12, DWWZ12, EAA+16, GZHD12, KWS+12, LJ17, LJ15, MCDB12, MKH+12, PGLL10, RS16, SGS14, SRK+17, SRK+18, WSSO12, WK18, WY12, tWmC12, YI14, YPRI17]. **D-Based** [WSSO12]. **D-like** [LJ15]. **D-PUF** [SRK+17, SRK+18]. **D2D** [Gop19, PSM+18]. **D2D-Aided** [Gop19]. **DaaS** [AAH+19]. **DALP** [LWYM16]. **Dana** [Ano10a]. **Dandelion** [FVB+18, VFV17a, VFV17b]. **Dangerous** [HLW12, GIJ+12]. **Dao** [FMS12a]. **Dao-Fa** [FMS12a]. **Daoism** [FMS12a]. **Darel** [Xie12a, Xie12b]. **Darmstadt** [FBM12, Sen10]. **DASH** [KCC17]. **Data** [AAA+19, ARWK19, Ano13e, ADF12, Bar12, BJL16, BCD+12, BJL12, BW12, BKLS18, CWL+14, CMLS15, CCW+10, CSV15, CCT+14, CLW16, CDLW19, CHH+19, DDS12, Dan12, DR12, DK16a, DMS+16, DA12, DCA18, DLZ+16b, Elb09, EKOS19, EKB+16, FYMY15, FYD+19, FPY15, FRS+16, GTT11, GRRZ18, HSM14, HWZP18, HLC+18, HLT+15, HVP+18, HZX+18, HK14b, IBM13a, KRDH13, KGV16, KPB18, KD19, LLPY19, LLZ+17, LLSL19, LWCJ14, LCDP15, LLZ+12, LZC+12b, Ma17a, MLO17, Mal13, MMS17b, MJW+18, MGJ19, MM14b, NNAM10, NR12, PV17, PD14, PSM17, PZL+19, PBC+17, PH12b, PH16, PNRC17, PWS+19b, QZL+16a, QZZ18, RCP+18, Rea16, RDK19, RSN14, SGG18, SAKM16, Sar10b, SMSK18, SP15b, SKH17, Sia12, SC19a, SLM10, SOR16, TCN+17, Tan15a, Vai12, VSV15, WZCC18, WHLH17, XNKG15, XWSW16, YDY+16, YZDZ19, YJSL18, YMC+17, ZXYL16, ZPXX17, ZTL15, ZLW+17, AP10, AAH+19]. **data**

[ASO14, AIM+19, Ana14, Ano11a, Ara13, ADH17, ALL+18, BLL+19, BC16, BHH19, BTPLST15, BC18, BCGS16, BKV13, BTK15, CD16a, CDGC12, CLH+16, CDF+10, CDL18, DDY+19, DFJ+10, DTZZ12, DRD11, DYZ+15, DZC16, ED17, FS18, GHD19, Gen10, GSAMCA18, GLB+18, GZS+18, HKA+18, HSM13, HKA19, HWK+15, HL19, HK19, HMCK12, HH16, HYS18, HYF18, JKA+18, JLC18, JHCC14, KCS+18, Kim16, KV19b, KH18, KWH16, LSBN14, LT14b, LXK+14, LZY+16, LLL+17b, LLH17, LHL+18, LZWZ19, LFWS15, LAL+15, LCW+16, LZC17, LLL+18, LL16a, LHA+16, MHKS14, MRR+18, MSGCDPSS18, NJB19, Nam19, OO18, OSSK16, OSANAM19, PPG19, PMG19a, PWS19a, PZ15, QCX18, QLZ19, RR16, RR17, SLL+19, Sch15c, SD17, SYY+17, SM19a, SM19b, SAR18b, SPK17, SWW+17, Tan17b, TMK11, TKMZ13, WLWG11, WLH13, WMC17, WXMZ19, WDZ19, WLS14, WZLW13, WS14, WS19, WL19, XXX15]. **data** [XWZ+18, XWY+18, YYS+16, YQOL17, YQZ+19, YJC18, YXA+16, YNX+16, ZZKA17, ZMM+10, ZWY+13, ZZC17, ZHT16, ZZL+18, ZZL+19, AEH17, HLYS14, SJ19, Sch15c, VJH+18]. **Data-Centric** [DLZ+16b]. **Data-Classifiers** [KGV16]. **Data-Compression** [DA12]. **data-independent** [BCGS16]. **Data-Minimizing** [BCD+12]. **Data-Oriented** [NNAM10]. **Database** [BTHJ12, SBV14, WCL+18, AAH+19, BL11, JHCC14, LW13a, PBP19, PRZB12, SVGE14, Suc12, XMY+17, YXD18]. **database-as-a-service** [AAH+19]. **Databases** [ABL+18, FCM14, HPC10, JKHeY12, Kaw15, RP12, WP17, GA11, JK13, LCY+16, SS17a, TG12]. **datacenters** [PRN+19]. **Dataset** [SP13]. **datasets** [LVRY10]. **DATS** [HVP+18]. **Daubechies** [Ara13, SM12, ST15]. **Daunting** [IBM13a]. **David** [RNQ16]. **Day** [MMB17, Zet14, Hof16]. **Days** [Bai12, Bri11]. **DB** [PYH+18]. **DBDH** [CW14b]. **DBMS** [SERF12]. **DC** [LHF12]. **DC-Net** [LHF12]. **DCT** [BDB14, LP12, SS17b]. **DDH** [LZC12a]. **DDoS** [PSJ+13, SP15a]. **De-synchronization** [XNG+14, AATM18]. **deadly** [HLV10]. **Dealing** [Sha13, VN16]. **Death** [Moo14]. **Debate** [Bla16]. **Debiasing** [USH19]. **Debs** [Smi15b]. **debugging** [MFH13]. **Decade** [SOG15]. **December** [Abe10, BYL10, BC11, Che11, GG10, HWG10, LH10a, LW11a, LTW11, Yan10, Yan11]. **Decentralization** [JP19]. **Decentralized** [ABCL17, CD16b, GZZ+13, HSMY12, HK14b, MT17, PPS12a, PAS13b, RVH+16, RSN14, TS16b, XTZ+19, YM19, HHBS18, SLL+19, WZC16]. **Decentralizing** [LW11b]. **Deception** [GA19, vdWEG18]. **Deciding** [CLCZ10, Sch12c]. **Decipher** [Cor14b]. **Deciphering** [Bla16, GMNS15, GSAV18]. **decision** [PKA15, RPG12]. **Decisional** [CCL+19, LZC14]. **Decisions** [Bel18a, YWK10b]. **declarations** [HWYW14]. **Declassified** [ABJ13]. **Decodable** [Yek10]. **decoder** [PMG19a]. **Decoding** [DBPS12, GMNS15, Bax14, Bul10a]. **Decomposition** [AGH+17, LSL12b, gWpNyY+14, BWA13]. **Decompression** [PP10b, SHC+16]. **Deconstructing** [Tar10]. **Decoupling** [DMO+19, IM16]. **decoys** [VSB+19]. **decryptable** [MBP19]. **Decrypted** [Kob10]. **Decrypting** [CR12, Tay19]. **Decryption** [AN12, KB10, PKTK12, FNWL18, LJW+17, LJWY18, SES+16, SM10a, SM10b, Wu16, XTZ+19, XYML19, ZSW+18b]. **Dedicated** [Lin17, Nac12, NSP+18, AKS19, RNQ16]. **deductive** [ABF+14]. **Deduplication** [CDLW19, MGJ19, QLL17, SKH17, YDY+16, YZDZ19, ZHZ+19, KH18, SAR18b, ZFH+18]. **Deep** [BNMH17, CRS+18, DLGT19, FGR+17, HCYZ18, Mor19b, RDK19,

RHLK18, WYL18, ACMP19]. **default** [BMDT19]. **defeated** [Kap13]. **defects** [FES10]. **defences** [NDNR13]. **Defend** [Ano17e, FDY+19, Sch13]. **Defending** [LWCJ14, YFT18]. **Defense** [MPA+18, RCK17, YDV19, PSJ+13]. **Defenses** [AN17]. **Defensive** [Pfl10]. **define** [Hel17a]. **Defined** [KYEV+18, SAM+18]. **definition** [LWL10a, WSC14, YKC+12]. **Definitions** [BBD19, GLW12, Mau12, CGKO11, KM14, KGO10, XWXC14]. **Degeneracy** [WH18]. **degradation** [MMS+17a]. **Degree** [CMRH17, KA18, LHW18]. **degrees** [MZ17a]. **Delay** [CCKM16, GMNS15, LFX+18, LBR12, MKK17, JLT+12, XW13, MCL+19]. **Delegatable** [WZ11, XLC+19]. **Delegated** [MZHY15, TMC15]. **Delegation** [FMTR12, GLL16, SSW12, XWLJ16, YZ12, YAM+15, JSMG18a, NAL17, XWS17, XZP+19, ZWM14]. **Deletion** [DMS+16, MGJ19, Rea16]. **Delfs** [Mur10]. **Delivery** [PSS+13, SSPC12]. **demand** [KKJ+16, LWYM16]. **demand-aware** [LWYM16]. **Demodulation** [KOP12]. **demonstrating** [LHA+16]. **Demonstration** [GKG19]. **demosaicking** [HLC16]. **Deniability** [TCS14]. **Deniable** [DF11, zGXW12, HLLC11, GCH+19, HS11, Jia14b, JXLZ15, LXJ14]. **Denial** [BKBK14]. **Dense** [BFM12]. **Density** [Gre19b, LC15, LSQ11b]. **density-based** [LSQ11b]. **Dependable** [BCQ+13]. **Dependency** [MWES19, SGP+12]. **dependent** [GdM16, PKA15]. **deployed** [MFH13, RY10]. **Deployment** [BSA+19, WXK+17]. **DepSky** [BCQ+13]. **Depth** [GH11a, RS16, SS10b, SS12a]. **Depth-** [GH11a, SS10b, SS12a]. **Depth-Based** [RS16]. **Derivation** [LBR12, Cha13a, Lau12]. **Derivative** [LSQ11a]. **Derivative-based** [LSQ11a]. **derived** [JS18a, ZMM+10]. **DES-like** [AHG18, CGCS12]. **Description** [WH18, PLCGS11]. **Design** [AMN18, Abe12, ARH+18b, AIB+16, ADD10, AUMT16, Bel18a, BKL+13, DZS+18, DHB16, DR11, FSK10, HSA14, JLZ18, JWJ+17, KPP16, KW14, KLW+17, Lop12, MS13a, MFG16, MRL+18, Mur16, NBZP17, NYR+14, PC16, QLL17, RYF+13, Sch13, SAAB10, SZDL14, THA+13, VKPI17, WKB16, WDKV19, YJC18, ZXH16, BBDP16, CZ14, DRN16, Gor10, KHF10, KDW+17, MNNW15, MAK+12, MHY+18, OSANAM19, SVGE14, ZYC+17]. **Designated** [WHJ17, HYWS11, RPSL10, SY15b]. **Designated-verifier** [WHJ17]. **Designation** [Che15, LSQL18b]. **designed** [Goo12]. **Designer** [KMY18]. **Designing** [CDK+10, DZS+18, FLW12, MRT10, PSD15, SR10]. **Designs** [BGK12, PCY+17, KDH15]. **desynchronisation** [LDC13]. **Detailed** [DLV16, ZPXX17]. **Detect** [JWJ+17, NSA15, WOLP15, Lan11]. **detectability** [LRW17]. **Detectable** [Ess17]. **Detecting** [BKBK14, CZ19, Ess17, GAS+16, HLW12, KW14, SH15, VCD16, YSC+15, LWLW11]. **Detection** [AMKA17, ATS15, ARWK19, BEM16, CBO+18, DSB15, DF11, GN16, GZH17, HDWH12, HCYZ18, KU14, LGL+12, LC15, MKRM10, MKAA17, MKASJ18, NDC+13, NSMS14, SAJL16, SBV14, SXH+19, SP15a, SRAA17, SGS14, TLZ+17, TM18, YFT17, ZHS10, AKKY17, AOT13, BM13, CBJY16, HB13, JC13, JDV16, KKK+18b, KLC+10, LDC13, Maz13, MMF15, MHT+13, WYL13, vdWEG18]. **Detective** [Cho10]. **Detector** [LTKP16]. **Detector-Based** [LTKP16]. **determination** [JK19]. **Determine** [FSWF11, Sto12]. **Determining** [Bar19, NN12, Scr18]. **Deterministic** [MPRS12, NIS12, XXZ12, DTZZ12]. **Deterring** [WGJT10]. **DEUCE** [YNQ15].

develop [Ham19]. **Developed** [Har16]. **developers** [Ano14c]. **Developing** [CH11]. **Development** [Pau10]. **Developments** [GCK12, Vai11]. **Device** [ADM19, ABCL17, CFXY17, DFKC17, HSUS11, KLM+12, SRK+17, SRK+18, TYK+12, ZSH+19, CRS13, GM16a, KKG14, Kim16, OSP+19, Par12b, SHBC19, VV19, XHH12]. **Device-to-Device** [ADM19]. **Devices** [AAC+16, ATC17, BDM+19, CSH+18, CRS+18, DLWW11, EGG+12, FMC19, GPT12, GdM16, GMSV14, HHH+13, HDWH12, HFS+19, JMG+16, LFH18, LWHS17, LLD19, MFG16, May15, MS16, NVM+17, RC18, RSX18, RPHJ11, Sch15b, SFE10, SWF+19, VWC19, WKB16, WT10b, XJR+17, Aia15, BMDT19, CLP+13b, CFL13, CTL12, Chi13a, FRT13, GTSS19, HFH16, IB11, KPP16, LKAT12, MvO11, MHV15, NSBM17, OYHSB14, PCK19, SSNS15, SCR19b, SHBC19, TZTC16, TG17, Wan18b, ZPZ+16]. **DFA** [PDJ+19, WH17]. **DFA-Resistant** [WH17]. **DFT** [DDFR13]. **DHA** [AKY13]. **DHA-256** [AKY13]. **DHTs** [YKGK13]. **Diagram** [WGD18]. **dickory** [NN15]. **dictionaries** [ABR15]. **dictionary** [Maf16, MBB11]. **did** [CMG+18]. **Diego** [Ano10a, Lin14b]. **Dies** [Mar10a, MMB17]. **Difference** [BS14, YTP11, JK13]. **differences** [LHM13]. **Differencing** [LyWlZZ12, YWW10]. **Different** [GZ12, HHH+13, KU12, AKK+17, ABW10]. **Differential** [BMS12, Bar16b, BNY14, CWP12, CGCS12, DMSD18, ESS15, FXP+17, KWS+12, LYK19, LGL+12, LJF16, LJ15, LYHH14, MSS17, MRTV12, PH12a, QGGL13, RCP+18, SBM15, Sun11, URK+19, WHN+12, Blo15, DDFR13, GLMS18, LLLK10, MNP12, PBCC14, SDM10, SDM14, TSLL11, TS16a, WYL14]. **Differential-linear** [DMSD18]. **Differentially** [RCBK19]. **Differentials** [WW12]. **Differentiation** [Söd13]. **Differing** [GGHW17]. **Differing-Inputs** [GGHW17]. **Diffie** [LZC14, ABD+15, ABD+19, Chi16, FHLOJRH18, Hof16, HLCL11, HLYS14, LNL+19, Orm16, RH10]. **Diffusion** [ZHL15, WB12, jT12b]. **DIG** [NKWF14]. **digest** [BK19]. **DigiNotar** [JB11]. **Digit** [MH16, KWH16]. **Digital** [AAA+19, AYS15, BBC+13, BM13, BCP14a, FMS12a, FR15, GP17, HPO+15, Jin10, Joh10, JL16, LZC+12b, MBF+13, MSI10, MMN12, MHMSGH16, NC12, pNyWyY+14, Orm16, PH12b, PAS13b, RCK17, SAA15, SM13, Söd13, SC12, SOS15, TC11, TAP19, TS16b, Yon11, Y+17, YLS12, dRSdlVC12, AGHP14, BPP10, Bro19, CCG10, Cla18, FLZ+12, Fri10a, GMS11, Har14, HAGTdFR13, KM11, Lan13, LWZG10, MS13b, MM14a, MO14, Pau19, QCX18, Sim15b, SLM10, yWpNyL11, ZZKA17, Zet14, ZSMS18, Ano13c, Ano15b, Mou15]. **Dilly** [Bat10]. **Dimensional** [Ano17d, LLY+18, LZC+12b, XYXYX11, XLP+18, DWZ12, HZW19, LZWZ19, QD16]. **dimensions** [Pal15]. **direct** [GH12]. **Directed** [NLLJ12, KPS10]. **Direction** [NS12]. **Directional** [JS18a]. **Directions** [BKBK14, CDFZ16, Hof16, PPA18]. **Directly** [LZC12a]. **directory** [SMBA10]. **Disability** [Söd13]. **disabled** [HFT16]. **disassociation** [TMLS12]. **Disaster** [NRZQ15, BBG+17]. **Disclosure** [GR19a, SYv+19, DZS+12, PKA15, SB17, WGJT10, ZZC17]. **discourse** [Hel17a]. **Discovery** [MJW+18, MJS+19, Ano11a, MMP19]. **Discrete** [BGJT14, CLL16, HKR+18, KLM+12, SRT12, Xie12a, Xie12b, AMORH13, BGJT13, BGG+19, MM13, Mes15, ST15, TPL16, VM14]. **Discrete-Continuous** [SRT12]. **discrimination** [GPVCdBRO12]. **Discriminative** [DLGT19, YI14]. **Discussion** [Gli12, Wil18, Bul10a]. **Discussions** [KD12b]. **Disk** [GM14, Ran16].

Disks [Mar10c]. **disparate** [SSY12]. **Dispatching** [YTH17]. **dispersed** [ED19]. **display** [KNTU13]. **display-equipped** [KNTU13]. **Displays** [KTM+18]. **Disreputable** [ABJ13]. **disrespecting** [BZD+16b]. **Disruption** [HK14b]. **Disruption-Tolerant** [HK14b]. **Dissection** [Dun12a]. **Dissent** [SCGW+14]. **Distance** [ABB+19b, HRK18, PYH+18, Lam13]. **Distance-Bounding** [ABB+19b]. **Distillation** [BJ16]. **Distinguisher** [DWWZ12, AMS+10]. **Distinguishers** [LJF19, SEHK12, ZSW+12, AY14b, AP11]. **Distinguishing** [KM10a]. **Distortion** [FHS13, Jia17, LGWY12, MM17a]. **Distortions** [WLZL12]. **Distributed** [ADH19, Ano10a, BKBK14, BCEM15, CGB+10, DCA19, FCM14, GYW+19, HSM14, HEP+11, HXC+11, HCL+14, HZX+18, LMD16, LLY06, LL15, LNZ+13, LWCJ14, PBC+17, SSKL16, SWF+19, SB18, YZX+12, YKKL12, ZLDC15, BLV17, CSTR16, CHL19, dCCSB+16, FG19, GAI+18, KKK+18b, LJY16, NDSA17, NCCG13, ODK+17, PRN+19, TG12, XW13]. **Distributed-Healthcare** [ZLDC15]. **Distributing** [Küp13, MS16]. **Distribution** [BCG19, EAA+16, JEA+15, LWL+17, Lop15b, MT17, MSU13, NNA10, SK11, SNJ11, Sas18, TC10, AASSAA18, ABB+14, BB14, BGP+17, CML16, FHZW18, JSK+16, JLT+12, LLP+18, LM14, NACLR12, SPD+10, VV19, WMU14, YWL+17, Yan14, YHHS16, YL11, ZWS+18]. **distributively** [LJY16]. **dithered** [UUN13]. **Diversity** [ZTL15]. **Division** [HIJ+19, HZSL05, SS12b, YWM19, MN14]. **Divisors** [CN12]. **Divulges** [ABJ13]. **DLSeF** [PNRC17]. **Dmail** [CCS14]. **DNA** [AEH17, HEK18, WGZ+12]. **DNP3** [ACF16, CDWM19]. **DNS** [HLAZ15]. **DNSSEC** [vRDHSP17]. **Do** [Bow11, Pec17]. **doc** [NN15]. **Document** [BTHJ12, BPP10, DBPS12, DS19, MHMSGH16]. **Document-centric** [BPP10]. **Documents** [Bla12, HCDM12, Sta13, XZZ18, ZDL12, CH11, GA11, SR14]. **Does** [GA19, LRW17]. **Doesn't** [RS11, SS12a]. **dog** [Ran14]. **Doing** [JCM12]. **Domain** [AGW15, BDFK12, BBM15, CLY14, DG17, LA15, MR16, PDMR12, SZHY19, SGY11, SAM+18, WLZL12, gWpNyY+14, ZWZ17b, AMK12, BGAD12, GJ13, IG11, LXCM11, LPZJ15, LBR12, PWW10, QMC17, SCKH10, yWpWyYpN13, YZL+18, YWK+10a, YCM+13]. **Domain-Specific** [BDFK12]. **Domains** [LQD+16, LRVW14, KGO10, NES+14]. **domination** [GJMP15]. **Don't** [BCK17, Sch16b, FHV16]. **Door** [BLN16]. **Dopant** [BRPB13]. **Dopant-Level** [BRPB13]. **DoS-resistant** [HCC10]. **dots** [Lüd12]. **Double** [AK14b, ARM15b, BCG10, DLGT19, EZW18, Lin15, LEW19, MCRB19, PKTK12, Sas12]. **Double-Boomerang** [BCG10]. **Double-SP** [Sas12]. **Doubling** [Zha12]. **Doubly** [CZF12, CW14b]. **Doubly-Spatial** [CZF12]. **Douglas** [Ber16b]. **Down** [Ano17e, McG11]. **Download** [ZGC16]. **DPA** [MM17b, ZJ11]. **Draft** [MCF17]. **DRAM** [SRK+17, SRK+18]. **DRAMs** [LSC+15]. **DRAW** [NSBM17]. **DRAW-A-PIN** [NSBM17]. **drawn** [NSBM17]. **DRBG** [YGS+17]. **Dreams** [Eya17]. **Drift** [GKSB17, JSZS12]. **Drift-Compensated** [GKSB17]. **Driscoll** [Bur11, Joh15]. **Drive** [DGFH18, SYC+17, Mac12, SYW17]. **Drive-Thru** [SYC+17, SYW17]. **Driven** [BMP12, DLMM+18, SYv+19, APMCR13, LSQ15]. **driver** [GBC19]. **DriverAuth** [GBC19]. **DriverGuard** [CDD13]. **DRM** [Pet12]. **Drones** [SNCK18]. **drop** [KCS+18]. **drops** [Ano13b]. **DSA** [Dra16]. **DSC** [LJ19]. **DSP** [MS13c]. **DSPs** [DGP10]. **DSS** [Ano13c]. **DSSH** [YLS12]. **DTKI** [YCR16]. **DTLS** [AP13]. **DTRAB** [FTV+10]. **Dual** [BLN16, BWR12a, CCG+16, CMG+18,

HF14b, HHS18, HPL+19, LZ11, NLYZ12, PAF18, BW13, CFN+14]. **Dual-Form** [HHS18]. **Dual-key-binding** [LZ11]. **Dual-Mode** [PAF18]. **Dual-Rail** [HF14b]. **Dubai** [Nor17]. **Duet** [VJH+18]. **Dummy** [GST12]. **duplication** [LWLW11]. **Duqu** [BPBF12]. **Durable** [LY15]. **Durfee** [TK19]. **During** [FGR+17, ABJ13, BDM+19, RS17c]. **DWT** [AM19, LD13, SJ12]. **dyadic** [MO14]. **Dyck** [SAM+19b]. **Dynamic** [ABB19a, BK19, BCG10, EKB+16, FHR14, HH15, HK19, KYH18, LHM+15, MWZ12, MM12, NKWF14, OMNER19, PPS12a, PNRC17, RC18, SSW12, SY14, SKV12, SGC14, SHC+16, VMV15, XNKG15, XWSW16, XZY+12, XWZ+18, YLSZ19, ZXYL16, BSBG19, CTL12, CBJY16, CSTR16, DSCS12, EA11, GLM+11, GLB+18, JZS+10, KKM+13, KKK+18b, KH18, KPB17, LDC13, LLY06, LXMW12, LHM14, LZC17, LZZ19b, NSX+18, NPH+14, PZL+19, PSJ+13, SES+16, SSS11, SM10c, SGM16, WDZ19, XHM14, YZL+18, YD17, ZSMS18, ZZL+18]. **dynamic-identity** [JZS+10]. **dynamical** [jT12b]. **Dynamics** [RSCX18, AaBT16, DM09, GEAHR11, LTC+15a, Lüd12, MCRB19, TZTC16]. **dynamics-based** [AaBT16]. **dyslexic** [Bha16].

e-commerce [Ano11a]. **E-exam** [Mor12]. **E-Health** [AMSPL19, WMX+17, AKS19, IC17, OSP+19, YZL+18, JKL+16]. **E-Learning** [Yon11]. **e-mail** [BTW15, Sch16b]. **e-Passport** [HKK19, LZJX10]. **e-Passports** [LG10]. **e-rental** [LY14]. **E-Voting** [KV18, LGPRH14, KZZ17]. **E.T.** [Sch16a]. **E2** [WYL14]. **E2E** [KZZ17]. **EAC** [LZJX10]. **Each** [YLL+12]. **EAP** [FLH13, HZC+14, ZCLL14]. **EAP-based** [HZC+14, ZCLL14]. **Ear** [GWP+19]. **EarEcho** [GWP+19]. **Early** [Bel18a, Bro11, And13]. **Earth** [Har14]. **easier** [MBF+13]. **Easy** [Bel16, SMDS11, Tay14, Wu16, ZDW+16]. **Eat** [DSSDW14, DSSDW17]. **Eavesdropping** [CWL16, Han12, PX13, YSJL14]. **EbH** [GMdFPLC17]. **EC** [Dra16, BLN16, CFN+14, CCG+16, CMG+18]. **ECB4CI** [YWZ+18]. **ECC** [BSSV12, CBL10, HJ19, JMW+16, KRH18, MMBS19, ZSH+19]. **ECC-Based** [BSSV12]. **ECDSA** [BBB+16a, BH19, DHB16]. **ECG** [GMdFPLC17, HZW19, HW19, PLGMCdF18, ZAAB17]. **ECG-based** [PLGMCdF18]. **Echo** [DLMM+18, GWP+19, HGT15]. **Echo-Based** [HGT15]. **economic** [WDZ19]. **economy** [Sir16]. **Ecosystem** [Fri13, RVS+18]. **Ecosystems** [LDB+15, MMP19]. **eCryptfs** [XZL+19]. **Ed25519** [TV19]. **EDAK** [ABB19a]. **EdDSA** [JL16]. **Edge** [AHM+18, DF16, KA18, XHZ+19, CXWT19, JZU+19, MD15, PRN+19, Sun16, XZP+19]. **Edge-Based** [XHZ+19]. **Edge-centric** [AHM+18]. **edge-enabled** [JZU+19]. **Edges** [BDL+19]. **Edition** [Cor14a, Kob10, Gre19b]. **Editorial** [LSQZ17, OK18, Ano19a]. **Editors** [BdD19, LLK18]. **Education** [LRVW14]. **Edward** [Ano16a, Sim10]. **Edwards** [ADSH18, JL16, LT14a, YTS12]. **Edwards-curve** [JL16]. **EFADS** [WLS14]. **Effect** [PLGMCdF18, WB12]. **Effective** [HLT+15, KRDH13, WHLH17, WMX+17]. **Effectively** [YMC+17]. **effectiveness** [Eng15]. **Effects** [ASV+18, MAL10, SKV12, SHBC19]. **Efficiency** [ABF12, Chi16, DG17, FRS+16, HRV10, LLML12, LCL+17a, MS13b, WXLY16]. **Efficient** [ABBD13, ASBdS16, ABB19a, BWLA16, BCGH11, BHG12, BBKL19, BV11, BV14, CG12a, CML+18, CS10, CMLRHS13, CWWL12, CZCD18, CJ13,

DA18, DZC16, DWB12, Dun12a, DG17, EM12, FLH13, FHS13, GT12, GH13, GTT11, GPN+12, GPT12, GJJ15, GH12, GZH17, GCH15, HZC+12, HZC+14, HZL18, HL10b, HBCC13, HZX15, HKL+12, HIDFGPC15, HCDM12, HH16, HC17, HZSL05, IAD10, JCL+18, KZZ17, KPC+11, Kim15, KHPP16, KKK+18a, KH10, LLP+18, LDDAM12, LZT12, LNNH13, LXK+14, LCLL15, LZWZ19, LSLW15, LLSL19, LHYZ12, LCDP15, LSY+16, LWHS17, LZC17, LLD19, LBOX12, MX13, MTY11, MVVR12, MU12, MP12, MKASJ18, MC11, MN14, NES+14, NdMMW16, NZM10, OSP+19, PB12, PAF18, PZL+19, PRC12, PG12, PCPK14, PNRC17, RSD19, RS17a, RM19, RBHP15, SLL+19, SGY11, SZS14, SOR16, SGM16, TSB18, TLCF16, TWZ11, TT12, TM18].

Efficient [USH19, WDCL18, WLS14, WQZ+16, WCCH18, XLWZ16, XMLC13, XMY+17, XHZ+19, YHL16, YNR12a, YNR12b, YLW13, YNQ15, YLA+13, YS15, ZYGY18, ZQWZ10, ZLH+12, ZSW+12, ZXJ+14, ZXYL16, ZCL+19, ZHS+19, ZPW16, ZHW15, ZZC17, AHG18, AQRH+18, AZPC14, AZF+12, ABR15, BBB19, CH11, CCSW11, CLHJ13, CZ14, Cho14, Cra11, CGKO11, EA12, FLL+14, Far14, FA14a, FA14b, FIO15, FLYL16b, FZZ+12, FNWL18, GH16, GLM+11, HPC12, HYS18, ISC+16, IB11, IOV+18, JCHS16, JZS+10, KKG14, KV19b, KIH19, KL11, KSH18a, KSH18b, LLLS13, LH11b, LH10c, LYW+10, LXMW12, LLH17, LZD+19, LAL+15, MDHM18, MLM16, Mes15, MGB19, Nov10, NXS10, OCDG11, PZBF18, PC14, Rao17, SZMK13, SM19b, THA+13, TLL12, Tso13, TKHK14, VN17, WYL13, WLZ+16, WT10a, WXK+17, XWZW16, XWK+17, yYqWqZC13, ZLY10, ZZ11, ZCLL14, ZTZ16, ZZC15, Zhu13, sCR19a, LLZ+12, TCL15].

Efficiently [FWS13, LGH+17, SLY+16].

Effort [RSBGN12].

Effort-Release [RSBGN12].

EGHR [CML+18].

eHealth [TMGP13].

eID [SGGCR+16].

eight [Sun11].

eight-round [Sun11].

Einführung [Buc10].

Einstein [HR13, Wes15].

Elbirt [Bar12].

Election [ADH19, Ess17, RS17b, TKM12].

Elections [CEL+19, QS18].

Electoral [CEL+19].

Electric [LSY+16].

Electrical [VTY18].

electrocardiogram [BLL+19, OMPSPL+19, ZGL+18b].

electrocardiogram-based [ZGL+18b].

Electrocardiography [LLLH18, YH16].

Electromagnetic [HHH+13].

Electronic [Bla12, PWVT12, SR14, YMWS11, CLC+19].

Elementary [Led16, Sch15a, CM13].

Elements [Kra12].

Elevation [LZC+12b].

ElGamal [HLH19, ADM19].

ElGamal-like [HLH19].

Eliminating [Söd13].

Elimination [FGRQ18].

Elliptic [AMMV18, ARM15a, ADM19, ADI11, AK14b, ARM15b, BSCTV17, CMRH17, DW12, FHLD19, Gre19a, GPT12, KKM11, LGH+17, LWHS17, MSTA17, MST18, NR15, PÁBC+19, PPH12, SG15, Sch19b, She17, vRDHSP17, AMN18, BAAS13, BL14, BL17, BBB16b, Cho14, Far14, FK19, IB11, Khl18, KK10, KKD+18, MCN+18, MS13b, MHL18, NZM10, SKH15, WHJ17, YY13].

elliptic-curve [BL17].

Elliptic-Elgamal-Based [ADM19].

ELmD [BDMLN16].

Elsevier [Ano15b].

Email [Bel16, CCS14, RS19, XJW+16, WR15].

embed [KPS10].

Embedded [AEP18, AB15, BS12, BJCHA17, CFXY17, HJ19, HC17, JWJ+17, LJP17, LWHS17, MGG+19, SOG15, SK12b, SWF+19, SS17b, SDM+12, WXY+17, YGD+17, YS15, ZSH+19, Ano11a, CVG+13, Eis10, MFH13, WHZ+19, XWZW16].

Embedding [CMRH17, FR15, KD12a, MCDB12, XNRG15, XNP+18, XZZ18, YE12, ZS12, EA11, LHM13, MKH+12, PWLL13].

Embeddings [FHS13].

Emergable [YT12].

emerged [McG11].

Emergence [LMB12].

Emergency [HLKL15, YTH17, BDM+19, KLC+10]. **Emerging** [BSV12, KSA16, OS16, FPBG14, GLL16, ZHH+17]. **emphasis** [GMT+12]. **Empirical** [gWpNyY+14, EBFK13, Sar14]. **Employees** [Mor12]. **Employing** [LGLK17]. **EMV** [Cho10]. **Enable** [SMS14]. **Enabled** [GPT12, HFT16, KV18, QZL+16a, QZL+16b, SG12, SGC16, SSPC12, YSF+18, BMM12, JZU+19, NML19, TODQ18, YFT18]. **Enabled/disabled** [HFT16]. **Enables** [IBM13a]. **Enabling** [FRS+16, GYW+19, JSM+18, PSM+18, SSY12, WPZM16, YYS+16, MMP19, Sch12b]. **eNB** [CLM+12]. **Encapsulation** [KG19]. **Enciphering** [CMLRHS13, HMR12, MLCH10, MKASJ18, Sar11]. **Enclaves** [WBA17]. **Encoded** [DG17, HS18]. **encoder** [PMG19a]. **Encoding** [BR14, CK18, SK12a, TJZF12, XHX+17, CJL16, PC14, SM19a, Sun16]. **Encounter** [NA10a]. **Encrypt** [RAZS15, Ran14]. **Encrypted** [ADR18, BTHJ12, BSA+19, CWL+14, CWL16, Cor14a, CDLW19, CHH+19, DWB12, DCA18, FGRQ18, FCM14, FRS+16, Fyo19, Gen13, GLG12, GKG19, GZH17, GYW+19, HWZP18, HTZR12, HB17, HCDM12, IMB17, IBM13a, JSCM17, Kaw15, KGV16, LA15, LGLK17, LQD+16, Lop12, Mur16, NBZP17, NNAM10, PBC+17, QLL17, Roh19, SAKM16, SZHY19, Sia12, SOR16, TM18, Uto13, Vai12, WBC+10, XWSW16, YDY+16, ZDL12, ZXYL16, ZVG16, ZLW+17, ACMP19, AAH+19, AHM+18, AZH11, BBDP16, BTPLST15, BGP+17, BKV13, BTK15, BL11, CH11, Cri16, CDL18, DDY+19, DKL+16, DRD11, DJ19, EM19, ED17, FTV+10, Gen10, GSAMCA18, GZS+18, GSGM16, HKA19, HH16, JLC18, KH18, LXK+14, LZY+16, LHL+18, LZWZ19, LW13a, MRR+18, NJB19, OSSK16, PWS19a, PBP19, PRZB12, SG19a, Sch16b, SEXY18, SM19b, SWW+17, Suc12, TKMZ13, WR15, WS19, WL19, XMY+17, XWY+18, Yaa19, YXD18]. **encrypted** [YQOL17, YQZ+19, YJC18, ZLY10, ZZC17, ZFH+18, ZHT16, ZZL+19]. **Encrypting** [CC10, Mar10c, dRSdlVC12, Cla18, LFGCGCRP14, Pow14]. **Encryption** [ADM12, AV12, AAUC18, AEH17, Alo12, AAC+16, AEP18, Ano13e, Ano14b, Ano15c, Ano17d, Arm19, AKP12, ABF12, AS16, AG18, BVS+13, BWLA16, BPR14a, BPR14b, Bel16, BDOZ11, BWR12a, BS14, BV18, Bla16, BKLS12, BDPS12, BHJP14, BDMLN16, Boy13, BV11, BV14, BGV14, CVM14, CMO+16, CLL16, CWWL12, CN12, CZF12, CLHC12, Che15, Che18, CGL+12, Chi12, Chu16, CRE+12, Con18, CNT12, CLW16, CD16b, DR10, DN12, DFJ+10, DSLB18, Des10b, DGFH18, DOS15, Dun12a, DF11, EAA12, ESS12, FHH10b, FHR14, FJHJ12, Fei19, FFL12, Fuc11, GWWC15, GGH+16a, GGHW17, GM13a, GZZ+13, GSW+16, GH11a, GH11b, GHS12, GHPS12, GDCC16, GVW12, GVW15, GM14, GL12, GKS17, Gue16, HSMY12, HLLG18, HZ11, HG12, HWS+19, Hor19, HC17, HTC+15, HLH19, HP12, Int19, IAD10, JLS12, JSA17, JLH12]. **Encryption** [Jia14a, JR14, Kam13, KB10, KME+12, KMY18, KTT12, KOS16, KKA15, KFOS12, KHPP16, KKK+18a, KMJ18, KS12, KHRG19, LMGC17, LMG+18, Lau17, Led16, LLSW16, LLPY19, LW11b, LW11c, LW12, LJLC12, LYZ+13, LHL+14, LLC+15, LTZY16, LLL17a, LFX+18, LLLH18, LSLW15, LH11c, LSQL18b, LNWZ19, LB13, LY15, LW16, LYY+18b, LATV17, LLML12, LLH18, MZHY15, MLO17, MMP14, MR14a, MTY11, MSM18a, MVVR12, MMS17b, MSR+17, MRL+18, MBF18, MPRS12, MZLS18, Mor19b, MT12, MKRM10, MSas12, Nac16, NdMMW16, NTY12, NMS14, NAL17, OT12, OGK+15, ÖDSS17, PMZ13, PR12, PB12, PDNH15, PRGBSAC19, Per13, PKTK12, PPS12a, PYS18, PMZ12, PCY+17,

PRSV17, PWS+19b, RVH+16, RCP+18, RZZ+15, RM18, RSBGN12, RDZ+16, RVRSCM12, Roh19, SGG18, Saa12a, SSW12, SERF12, Sar10b, SJ19, Sch15a, SLGZ12, SXH+19, SZS14, She14, SWF+19, Smi11b].
Encryption
[Sta12, SGH15, SMOP15, Tan11, TCN+17, TCL15, TMC15, Tan17b, TDTD13, TKR14, TT12, TFS19, Unr15, Vai11, VSR12, VOG15, Wal18, WHC+15, WP17, WDCL18, WSS12, Wat12, WLC12, WDDW12, WZ15, WHLH17, WWHL12, WMS+12, WQZ+16, WZCH19, XNKG15, XY18, XXZ12, XJWW13, XWLJ16, XJW+16, XHX+17, YZ12, YZX+12, Ye10, Ye14, YH16, YKNS12, YNQ15, YKC+11, YFK+12, YCZY12, YKKL12, ZOC10, Zaj19, ZPM+15, ZZQ+19, ZDL12, ZYT13, ZWTM15, ZQQ15, ZMW16, ZZM17, ZYZ+19, ZHW15, ZY17a, ZYM18, ZWS+18, ZYH+19, ZHZ+19, ABC+18, AHS14, AASSAA18, ATKH+17, AKKY17, Ana14, Ang16, Ano13d, Ano15e, Ano16h, ARG19, ABR12, AMHJ10, ACD+15, AHL+12, BLL+19, BAAS13, BZD16a, BC18, BKR19, BG14, BSW12, BGP+17, BTK15, Bro19, CPPT18, CFVP16, CFZ+10, CW14b, CLH+16, CMMS17, CLC+19, CXWT19, CZ15b, CS11, Chm10, CW12a, CJW+19, CDF+10]. **encryption** [CM13, CGKO11, DLZ16a, DDM17, DTZZ12, DMD18, Eve12, Eve16, FAA+18, FH13, FSGW11, FSGW12, FMB+18, Fay16, GMOGCCC15, GH13, GHPS13, GLM+16, GH12, GLL+18, GZXA19, HGWY11, HQZH14, HZL18, HKA19, HWDL16, HZWZ18, HL19, Hel17a, HT13, HLR11, HK19, HL11, HYL+19, HFT16, HTC17, HYS18, HYF18, HHAW19, HKHK13, JZU+19, JCHS16, JCL+18, Jia14b, JSMG18a, JSMG18b, JHCC14, JSM+18, Kam16, KHMB13, KKM+14, KV19b, LLW16, LCL+17a, LGP19, LCL+15, LFZ+17, LWW+19, LCT+14, LFWS15, LLM+19, LPdS10, LHH11, LW10, LK10, LW13b, LZC14, LPZJ15, LCY+16, LZC17, LJW+17, LJWY18, LLL+18, LZKX19, LDZW19, LL16a, LW13c, LSC12, LLG19, MBP19, Mar12, Mar10b, MMS17c, Mes15, MML16, Mid10, Mon13, MSas13, NES+14, Nam19, OPHC16, OSNZ19, PPA18, Pet12, PBP19, QRW+18, Ran16, RG10, RWZ13, RPSL10, SES+16, SE18, SLL+19, Sar11, SYL13, SE14, SE16, SH11, SM11].
encryption [SNM14, SLZ12, SY15b, Sha13, SVGE14, SGFCRM+18, SLM10, SKB+17, Spa16, SGP+17, SGM16, Tam15, TPL16, jT12b, WGJT10, WY10, WWYZ11, WWYY11, WLWG11, WHY+12, WDZL13, WZC16, WLFX17, Wan18a, WXMZ19, WDG19, WDZ19, WGZ+12, WLS14, WCCH18, XWZW16, XWXC14, XSWC10, XXX15, XWS17, XZP+19, XWZ+18, XTZ+19, XLC+19, YWJ+19, YT11b, yYqWqZC13, Yan14, YZCT17, YHHM18, YSQM19, YWY+19, YCT15, YJC18, YLZ+16, YL11, ZCZQ19, ZAAB17, ZWQ+11, ZZ11, ZLW+12, ZXJ+14, ZWM14, ZT14, Zha15a, ZCC15, ZML17, ZYC+17, ZGL+18a, ZCL+19, ZWY+19, ZZ12, ZL12, ZDW+16, ZY17b, ZCZ+19, Zhu13, Wan14, GMdFPLC17, LAL+15, Sar18a, Kat13].
Encryption-based
[SERF12, BC18, XWZ+18].
Encryption/Decryption [KB10].
Encryptions
[zGXW12, LG12, SLY+16, RD17].
Encyclopedia [vTJ11]. **End**
[Ano15c, BRR+15, BGP+17, CFE16, Chu16, MHMSGH16, RST15a, RST15b, Bel18b, Bro12, Chi13a, EM19, JZU+19, Wan18b, Zor12]. **end-devices** [Wan18b].
End-to-End
[CFE16, MHMSGH16, RST15a, RST15b, Ano15c, BRR+15, BGP+17, EM19, JZU+19].
endomorphism [FWS13].
Endomorphisms [AK14b, LGH+17].
Endurance [JSA17]. **Endurance-Aware** [JSA17]. **enemies** [Fag17]. **Enemy** [BC14, CAC14]. **Energetic** [PDMR12].

Energy [Ano15d, AZF+12, ABC+17, Bla16, CKHP19, GPR+19, JEA+15, LSC+15, LLD19, MP12, PAF18, RPHJ11, TLCF16, TCN+17, VN17, AHG18, CZ14, Fai19, MMF15, URK+19, ZTZ16]. **energy-based** [MMF15]. **Energy-Efficient** [LLD19, MP12, TLCF16, AHG18]. **Energy-Harvesting** [ABC+17]. **Energy-time** [Ano15d]. **Enforced** [Set16]. **Enforcement** [LLZ+17, Tan15a, Cra11, CFG+17]. **Engage** [SDC+17]. **engagement** [LSBN14]. **engaging** [ISC+16]. **engine** [BS13a]. **Engineering** [BCHL19, Bel18a, FSK10, GHD19, LLK18, MMKP16, MSM18a, MP12, PGLL10, SNG+17, TQL+14]. **Engines** [LB13, BGG+13]. **Enhance** [DHT+19, CZ14, SLM10]. **Enhanced** [DTE17, KY10, KKM+13, MS17, SGG18, SS15, TV15, YI17, YCC16, AMN18, AM19, ACK+10, DLK+16, DXWD16, GM16a, LNKL13, YWZ+18, YQOL17]. **Enhancement** [FSX12b, JSA17, LA15, NNA10, CHS11, SVY19]. **Enhancements** [Che18, FSX12c]. **Enhancing** [CSW12, IA15, Lan13, MZL+19, YS15, AGBR19]. **Enigma** [KM15, KM16, LHA+16, Ore14, Ano16d, Bur11, Cas15, Kap11, Kap13, McG11, McK12, Tur18]. **Enigmas** [Bat10]. **Enough** [JCM12, Ano14b]. **Enrollment** [YWZ+12, DEL19]. **ensuing** [SS17a]. **Ensure** [PWS+19b]. **entangled** [EAB+19]. **Entanglement** [Ano15d, JEA+15]. **Entanglement-Based** [JEA+15]. **Enterprise** [BMDT19, TGC16, XZL+19, Din10, KLN15, NB13]. **Enterprise-Level** [XZL+19]. **Enterprises** [KCR11]. **Entities** [GZ12]. **Entity** [BCM12, BCM13]. **Entrepreneur** [IM16]. **Entropy** [DSSDW14, DSSDW17, DK16b, KPW13, VS16, YGFL15, BNY14, TBK+18]. **Entropy-Based** [YGFL15]. **enTTS** [YL17]. **enumerators** [ÖŞ11]. **Environment** [AARJ12, BCGN16, FYD+19, HQY+18, KKA15, MLO17, MRS+17, RQD+15, SGG18, SAM+19a, TV15, VFFHF19, YMA17, FHZW18, GAI+18, HL19, HLYS14, KKM+14, Kim16, KS19, NR17, Par12b, RR16, SYWX19, SKB+17, WL12, WCFW18, WT10a, XXX15, YWK+10a]. **Environment-Independent** [HQY+18]. **Environments** [HXHP17, HLKL15, LQY10, PAS13b, TMGP13, VFS+19, XLP+18, CNF+18, CLHJ13, CTL13, KPP16, KAS15, LNK+18b, LW13a, LCY+16, MHL18, NACLR12, SCY15, SA19, Tan12b, VDO14, VGL14]. **Eof** [Gup15]. **ePassport** [ABHC+16]. **Ephemerizer** [Tan15a]. **Episodic** [WAK+19]. **Epistemic** [Sch12c]. **EPR** [UUN11]. **Equality** [CHH+19, HTC+15, LLSW16, MZHY15, WZCH19, HTC17, ZCZQ19, ZCL+19]. **Equational** [ABR12]. **Equations** [BB10, SR12a, DGL19, ZYGT17]. **Equi** [Ma17a, PD14]. **Equi-Join** [PD14, Ma17a]. **Equifax** [Ber17]. **Equijoin** [WP17]. **equipped** [KNTU13]. **Equivalence** [ABR12, CCK12, CCCK16, GLW12, LYL+18, SS13, WGD18, HKT11]. **Era** [Mos18, OMNER19, KV19a, QCX18, ABJ13]. **Ergodic** [IAD10]. **Erratum** [YFK+12]. **Error** [GSGM16, KW14, LSC+15, MCP15, MKASJ18, TLCF16, Zaj19, ATI+10, BZD16a, Chi13a, CJW+19, LTT10]. **Error-correcting** [MCP15, LTT10]. **error-tolerant** [BZD16a]. **Errors** [TM18, CSS+13]. **ErsatzPasswords** [GAS+16]. **Escapers** [SXH+19]. **Escrow** [MR10, WLY17, ZLH+12, HKHK13]. **Escrow-Free** [ZLH+12]. **Escrowable** [NCL13]. **eSkyline** [BKV13]. **ESORICS** [Ver17]. **Espionage** [LJS+14]. **Essay** [Bai12]. **Essays** [Nac12, RNQ16]. **ESTA** [SS15]. **Establishing** [DKL+16, GSFT16]. **Establishment** [ASN12, Ano11b, BCO13, DL12, NYR+14, BEB+18, GTSS19, SZMK13, ZPZ+16, ZXW+18]. **Estimating**

[VJH+18, MMF15]. **Estimation** [BCF16, GSN+16]. **Estonian** [Ano17c]. **Ethereum** [Fai19]. **Ethernet** [KCR11]. **EU** [PH12b]. **eUCI** [GSGM16]. **EUROCRYPT** [PJ12, Gil10]. **Europe** [GOPB12, Mid10]. **European** [GOPB12]. **Evaluating** [RAZS15, WP15]. **Evaluation** [BCG10, BBKL19, BKLS18, CGCS12, DM15, DCA19, EGG+12, FVJ19, JGP+18, KVvE18, KLM+12, LYL+18, MKN13, MLBL12, RJV+18, SSP19, SMOP15, WRP70, ZLDD12, BNNH19, BKR19, FPBG14, FLYL16a, KS19, LGP19, LW19, THA+13, TPKT12, ZZKA17, ZLDD14]. **Evaluations** [ZM16]. **evaluators** [ZZKA17]. **Evasive** [BBC+14]. **Eve** [AAE+14, ERLM16, FHM+12]. **Even** [ARH14, Faa19, Kni17, LPS12, Ana14, DKS12]. **Even-Mansour** [LPS12]. **Even-Odd** [Faa19]. **event** [CWZL13, CXX+19]. **EventGuard** [SLI11]. **every** [Hof16]. **everyday** [HST14]. **Everyone** [Ano15c]. **everywhere** [Laz15]. **Evidence** [Bla12, Lal14, SR14]. **evident** [MN10]. **Evolution** [LQY10, Tay17, BHvOS15]. **Exact** [TKM12]. **exam** [Mor12]. **Examination** [MMKP16, VCK+12]. **Examining** [SP13]. **Example** [KD12b]. **Excellence** [SDC+17]. **Exchange** [CLY14, CST+17, DG15, EFGT18, FHLOJRH18, FVS17, GDLL18, GZ12, HC12, LY16, MSU13, SD18, TYM+17, WSA15, WT10b, YS12, YLW13, YRT+16, Yon12, ZXH16, AKG13, AIB+16, Bon19, FHH10a, FA14b, FIO15, GBNM11, GLM+11, Jia14b, KMTG12, LWS10, LML+13, SEXY18, TCS14, Tso13, TKHK14, WHJ17, WZM12a, WZM12b, WT10a, WTT12, XW12, YC12, YLL+18, ZXWA18, ZG10]. **Excitation** [SOS15]. **Exclusive** [Men13b, WDZ19]. **Execution** [AARJ12, Bul18, CBRZ19, RQD+15, YS15, AAH+19]. **exhaustive** [AHG18]. **existence** [VBC+15]. **existing** [FMA+18, HT13]. **Expanding** [MS16, Sch15b]. **Expansion** [LTC+15b, TS16a, BAB+13, Die12, JK13, Pet11]. **expect** [Sch16b]. **Expectations** [DY13]. **Expected** [DMV15, KOTY17]. **Experience** [AD12, BSA+19, SK18]. **Experiences** [HGOZ19, JAE10]. **Experimental** [LCW+16, DHW+13]. **Experimentally** [LHA+16]. **Experts** [Sto12]. **Explicit** [AQD12, FHS13, HP17, FIO15, ZZC15]. **exploitability** [CFN+14]. **exploitation** [MAK+12, NCCG13]. **Exploiting** [ACK+10, BDGH15, HIJ+19, HL12, VDB+16, VTY18, YDV19, YWYZ12, ZPZ+16]. **Exploits** [ZGC16]. **Exploration** [AUMT16, ABDP15, RYF+13]. **Exploring** [Cil11, FNP+15, HPJ+19, HSUS11, KMG17, TLCF16, WHC+15]. **explosion** [YY17a]. **exponent** [PT19, SM10a]. **exponentially** [RK11]. **Exponentiation** [EZW18, VN17, WSQ+16]. **exponents** [SM10b]. **Exposing** [ERLM16, FVJ19, OF12, YQH12, YSC+15]. **Exposure** [BVS+13, TK19, XYML19]. **expression** [WR15]. **Expressions** [TCMLN19]. **Extend** [TMC15]. **Extendable** [NIS15]. **Extendable-Output** [NIS15]. **Extended** [BFMT16, DGP10, Gre17, HZW+14, HBG+17, SH15, Yam12, YSC16, Kam19]. **Extending** [ZSW+12, PY19]. **Extensible** [YZ12]. **Extension** [ARH14, DBT19, EKP+13, GFBF12, GT12, RW12, SGY11, HTC17, LYW+10, ZXJ+14]. **Extensions** [FVJ19, LWL10b, RS17a]. **Extensive** [AIF+19, FVJ19]. **external** [ZZKA17]. **Extract** [AN12]. **Extract-Transform-Load** [AN12]. **Extractability** [BCP14b]. **Extractable** [CZLC12b, CZLC14, GGHW17]. **Extraction** [BWLA16, GST13, GPT14, PCPK14, GPP+16, HZW19]. **Extractor** [USH19]. **extractors** [Zim10]. **extraordinary** [Hol12]. **extreme** [GJ13]. **Extruded** [CJFH14]. **Eye**

[ERLM16, SRRM18, SM13, Tox14].

F2654hD4 [Ber16a]. **F5** [LLY+12b]. **Fa** [FMS12a]. **Fabric** [BHH19]. **fabricating** [WW13]. **Fabrication** [VDB+16]. **Fabrication-Induced** [VDB+16]. **Face** [AQD12, MHW+19, RSX18, XHH12]. **Facial** [KRB12, TCMLN19, WSS+19]. **facilitate** [Chi13a]. **Facsimile** [Ano16e]. **facto}** [EM19]. **Factor** [AMSPL19, ATC17, HXC+11, LLC11, PSSK19, AIB+16, BD18, CLP+13b, CNF+18, DRN16, DMWS12, ED19, GMMJ11, HC12, IC17, JKL+16, JMW+16, Kem11, LNK+18a, LNK+18b, LW19, Lit14, MDHM18, NMX15, SNG+17, WW14, Wat14a]. **Factoring** [APPVP15, KV19a, LLML12, BGG+19, MM13, SD17]. **Factorization** [Cou12b, FS15, HWS+19, KKK+18a, KFL+10, Kuz11, YAM+15, Mes15, TPL16]. **factors** [HK17]. **failed** [And19]. **Failing** [Cer14]. **Fails** [ABD+15, ABD+19]. **Failure** [WCL+18]. **Fair** [ALR13, CSV15, DSMM14, DG15, WSA15, SEXY18]. **Fair-Exchange** [DG15]. **Fairness** [ALR13, Ash14, GHKL11, Wag16, MV16b]. **Fake** [KU14]. **Fallen** [HCPLSB12]. **False** [LLZ+12, MWES19, CDGC12]. **Families** [BSS+13, KU12, FK19]. **Family** [ARH+18b, BMS12, BKST18, CBJX19, DGlS12, DJG+15, FLS+10, FFL12, GNL12, LYY+18b, MFG16, SBM15, YCL17, BDPV12]. **Fanin** [SS12a]. **Fast** [BLAN+16, Bru12, CHS15, DSLB18, DGK18, GSN+16, HMKG19, JGP+18, Khl18, LGLK17, NR12, PRSV17, Raz19, Rom11, SRRM18, WHZ12, WBA17, WQZ+13, ZHW+16, FHH10a, KHMB13, LNNH13, MBB11, YM18]. **FastAD** [SMBA10]. **Faster** [CN12, EZW18, FHLOJRH18, HVL17, TH16, ZSP+19, Ant14]. **Fault** [AMKA17, BMS12, BBB+16a, FXP+17, GST12, JWJ+17, JKP12, JT12a, LYK19, LGL+12, LCLW17, LGLL12, MSS17, MKRM10, MKAA17, PH12a, RZZ+15, SBM15, SEY14, WCD19, YGD+17, BEM16, BBBP13, PBCC14, WMYR16]. **Fault-Based** [BBB+16a]. **fault-resistant** [PBCC14]. **Fault-Tolerant** [WCD19, WMYR16]. **Faults** [EFGT18, SBM15]. **Faulty** [LYY+16]. **FBAC** [YWJ+19]. **FBI** [Bha16]. **FC** [DDS12, Dan12]. **FCMDT** [BSBG19]. **FDM** [BD18]. **FEAD** [ZWM14]. **Feasibility** [AAC+16, FKS+13, OMPSPL+19, WHC+15]. **Feature** [Ber18, SGP+12, YKA16, ZWWW17, FTV+10, GJ13, HZW19, MHT+13]. **Feature-Based** [ZWWW17]. **Features** [MHW+19, YI14, ZTL15, AAL19, FNP+15, JS18a, LCM+17, LTC+15a, NMX15]. **Feauveau** [Ara13]. **February** [Ano10a, DDS12, Dan12, Dun12b, Kia11, Lin14b]. **FedCohesion** [CCFM12]. **Federated** [BS13b, CCFM12, CSL+14, MJW+18, SAM+19a, BMBS10, BSBG19, JAS+11, TODQ18]. **federated-IoT-enabled** [TODQ18]. **Federation** [SS10a, NB13]. **federations** [MMS+17a, MLM16]. **Feedback** [HZ11, Hey17, PYM+15, SKGY14, ZH15, LWK11]. **Feedback-Based** [PYM+15]. **FEIPS** [DG15]. **Feistel** [BFMT16, KDH15, Sas12, SEHK12]. **Felten** [Ano16a]. **FESSD** [LGLK17]. **Few** [SBM15]. **FHE** [CK18]. **FHE-Based** [CK18]. **FHSD** [SP15a]. **fi** [BMDT19, YNR12a]. **FI-BAF** [YNR12a]. **Fiat** [BDSG+13]. **Fibonacci** [FM15, LLP+18]. **Fibonacci-number** [LLP+18]. **Fidelity** [BCP14a]. **Field** [Alz19, CLF+17, GHPS13, GM16b, HSA14, SS12a, TGC16, ZAG19, EAB+19]. **Fields** [ARH14, BGJT14, HVL17, NR15, ZL19, AA14, BGJT13, CZ15a, LBOX12, ÖŞ11]. **Fight** [Ano16f, Wu16]. **File** [DMS+16, LY16, TLCF16, XZL+19, ZGC16, FLYL16b, GSGM16, VSB+19, YHHM18]. **Files** [Uto13, Con17]. **Filling** [BWR12a].

Filter [Kaw15, ATKH+17]. **filtered** [HTC17]. **filtered-equality-test** [HTC17]. **Filtering** [LLZ+12, CDGC12]. **Finance** [Eya17, TBY17]. **Financial** [Ano11b, Ber12, GQH17, DDS12, Dan12]. **Finding** [Hof16, Ste15a]. **Fine** [CDD13, PV17, YTH17, ZML17, CLH+16, FSGW11, LHH+18, XYML19]. **Fine-Grained** [CDD13, PV17, YTH17, ZML17, CLH+16, LHH+18, XYML19]. **Finely** [GT19]. **Finely-Pipelined** [GT19]. **FinFET** [ZJ11]. **FinFET-Based** [ZJ11]. **Finger** [KLY+12, NSBM17]. **finger-drawn** [NSBM17]. **Fingerprint** [DS19, MR14b, AJYG18, HW19, KKG14, LYC+10, ZHL+11, ZHH+17]. **Fingerprint-Based** [DS19]. **Fingerprinting** [QF19, SNCK18, TSH17, ZS12, FLZ+12, KPB18, RS17c]. **Fingerprints** [YYK+17]. **Finite** [BGJT14, CHS15, GMNS15, HVL17, HWS+19, WDG19, ZL19, AA14, BGJT13, CZ15a, GPLZ13, LBOX12, ÖŞ11]. **Finite-State-Machine** [CHS15]. **Finite-time** [WDG19]. **FinTech** [MZL+19]. **firms** [Ano15e]. **First** [Ano17d, BH15, DR10, LFX+18, LSQZ17, MS17, PC16, Wil18, AB10a, BCV12, Bre18, Con17, Kim11, LCKBJ12, Mic10a, SBK+17, Zet14]. **First-Generation** [BH15]. **First-Order** [LFX+18]. **Fischlin** [ABGR13]. **Fishbone** [KS19]. **fistful** [MPJ+16]. **fit** [KGO10]. **Fix** [DLV16, HLV10]. **Fixed** [Chm10, Lim11]. **Flag** [MBC+18]. **Flame** [BPBF12, Goo12]. **Flat** [LHW18]. **Flaw** [Mar12, Moo12, SH15, Ste15a, Ano13a, ACC+13]. **Flaw-Finding** [Ste15a]. **Flaws** [DR11, FVJ19, HLV10]. **FlexDPDP** [EKB+16]. **Flexible** [GT19, JSMG18b, LGWY12, PAF18, TV19, BGG+13, WDZ19, WLS14, ZL12, ZFH+18]. **Flexlist** [EKB+16]. **Flexlist-Based** [EKB+16]. **flip** [Bre18, Wag16]. **flip-flop** [Bre18]. **Flipping** [BHT18, CK17]. **Floating** [EZW18, AKM+15]. **Flood** [DHT+19]. **flop** [Bre18]. **Flow** [ATS15, DJ19, HBC+19, WXL+17, CFG+17, KL13, LWY12, PPR+12, SRB+12]. **Flowers** [Hai17]. **Flows** [CDD13, HKB14, WYL13]. **fly** [PS14]. **Fog** [FMC19, JWNS19, Gop19, JSMG18a, KH18, LWW+19, QRW+18, Wan18a, WDKV19, ZSW+18b, YXA+18]. **Fog-based** [FMC19]. **Follows** [Arm19]. **FontCode** [XZZ18]. **Foolproof** [FFL12]. **Force** [JR14, CJP12, CJP15]. **forensic** [Har14]. **Forensics** [Ber18, CFXY17, DLGT19, ZHS10, AKM+11, Har14, QZ14, SM13]. **Foreseeable** [ATD17, Dya19]. **Forex** [DMO+19]. **forged** [HREJ14]. **forgeries** [YQH12]. **Forgery** [LC15, BM13, BZD+16b, LWLW11]. **forgotten** [And13]. **Form** [HHS18, DWZ12, Kre13, Khl18]. **Formal** [ACF16, EWS14, FVB+18, HK14a, HSA14, KGO10, PLCGS11, ZW15, Aia15, CDWM19, THA+13, XWXC14]. **Formalization** [LNWZ19]. **Formalized** [YCR16, NML19]. **Formally** [KRH18, HKA+18]. **formats** [ZT14]. **forms** [TY16a]. **formula** [DWZ12]. **forthcoming** [DGK18, MMP19]. **FORTIS** [GSFT16]. **Forum** [Rau15]. **Forward** [ABD+15, BVS+13, BDH11, FLH13, GSFT16, HLT+15, KME+12, KZG10, LTH+15, NMS14, WLH15, WHLH17, XW12, Yon12, YHK+10, YKC+11, ABD+19, ATKH+17, BM11, NJB19, TCS14, WL19, YFK+12]. **Forward-Secure** [BVS+13, KME+12, LTH+15, NMS14, WLH15, YKC+11, YFK+12]. **ForwardDiffsig** [BAL10]. **forwarding** [VN17]. **Found** [Moo12, Ano13a, Mar12]. **Foundations** [BCHL19, Des10a, Gol19, IEE10, IEE11b, Lin17, Nie02, SN10, NS10, Sta11c, Ter11]. **Four** [LyWlZZ12, MSL13]. **Four-Pixel** [LyWlZZ12]. **Fourier** [GJ13, yWpWyYpN13]. **Fourth** [Kob10]. **FOX** [LJF16]. **FPGA**

[AMKA17, Ang16, BCE+10, BYDC19, BDGH15, CFZ+10, CHS15, EAAAA19, GFBF12, HJ19, HF14b, LLD19, MM14a, MAK+12, RJV+18, TV19, YT16, ZLQ15]. **FPGA-Based** [RJV+18]. **FPGA/ASIC** [CFZ+10]. **FPGAs** [DGP10, GT19, RHLK18, SMOP15, VMV15]. **Fractal** [JTZ+16, KM11]. **fraction** [IK15]. **fractional** [BW13, VM14]. **Fragile** [AAA+19, CHHW12, MCDB12, SSA13, WK18, ZWZ17a, ZHS10, CCLL11, PGLL10, WHZ12]. **fragment** [BPP10]. **Fragmentation** [BDPS12, CDF+10]. **frame** [FMB+18, YQH12]. **Frames** [DG17, IM14]. **Framework** [BJL16, CD12, DG17, HXC+11, KPC+16, KYEV+18, LLG15, LSC+15, LY15, LQD+16, LNG19, MSU13, SK11, Scr18, SYC+17, SEK+19, TSH14, VKPI17, XHZ+19, ZJ14, ATKH+17, BHCdFR12, CRS13, GQH17, GM13b, HPL+19, JZU+19, KKGK10, KM14, KS19, MMS+17a, MBF+13, PSdO+13, PLCGS11, PKA15, SD10, SA16b, SYW17, SA19, ZYC+17]. **frameworks** [LSBN14]. **France** [Kap11]. **Francis** [Joh10]. **Francisco** [Dun12b, Kia11, Pie10]. **Francois** [SR14]. **Frank** [ABJ13, Joh10, Mar10a]. **frankencerts** [BJR+14]. **Fraud** [Ber12, CEL+19, MT17]. **Fred** [Xie12a, Xie12b]. **Free** [App13, Boy16, CCDD19, CCDD20, HLH19, IL15, LSQZ17, LSQL18a, TWZ+12, TTH15, WZCH19, YY17b, ZLH+12, ZM18, AJYG18, ATK11, ED19, LYC+10, LL16a, SA12, SE16, YT11b]. **Free-View** [TWZ+12]. **FreeBSD** [MNNW15]. **Freedom** [Con18, Hel17a]. **Freestart** [SKP15]. **Freeze** [HHAW19]. **French** [Ant14]. **Frequency** [BBM15, KAHKB17, LTKP16, LWCJ14, TC10, CJP12, CJP15, EA12, NLYZ12]. **Frequency-Based** [LWCJ14]. **fresh** [GJ19]. **Freshness** [RBNB15]. **Fresnelet** [FMB+18]. **Friendly** [Fra16, KCC17, SZDL14, ACM12, BP18, FK19, KLW+16, RD17, WOLS12]. **Frontside** [DDR+16]. **FSR** [MD12b]. **FSR-Based** [MD12b]. **Fugue** [AP11]. **Fujisaki** [TFS19]. **Full** [Arm19, ALR13, DGFH18, HR19, HEC+12, LW12, VS16, WLC12, BKR11, DDM17, LC13, Ran16, SWW+17, SKP15, Tam15, TY16b]. **full-hiding** [DDM17]. **full-text** [SWW+17]. **Fully** [AKP12, BV11, BV14, BGV14, CMO+16, CN12, CZF12, CNT12, DOS15, GH11a, GH11b, GHS12, HLLC11, KKK+18a, LMGC17, LSLW15, LJY16, LATV17, LSC12, MVV12, MSM18a, Nac16, NCCG13, PB12, SGH15, Vai11, VV19, WHC+15, XWZ+18, ZZ12, DDL15, GH13, MBP19, ZXJ+14, ZML17]. **Fully-Homomorphic** [GH11b]. **Fully-Homomorphic-Encryption** [CN12]. **Fun** [APPVP15]. **Function** [AMPH14, Bee17, BKST18, BBKL19, CJZ13, FLS+10, GGK18, GKG19, GHY18, LJF19, LyWlZZ12, MMS17b, RJV+18, SGY11, WSSO12, YWJ+19, AKY13, ABO+17, AP11, Bar19, BDPV12, CMMS17, Con17, LK14, LP11, RS14, Sar11, SXL16, SCBL16, TQL+14, WYW14]. **Function-based** [YWJ+19]. **Functional** [AS16, BV18, BSW12, Boy13, GGH+16a, GVW12, LQD+16, MVV12, Rus15, Wat12, ZYT13, ZWTM15, ZWM14]. **Functionalities** [JR13]. **Functions** [ÁCZ16, ALR13, BBC+14, BIKK14, BKPW12, BHT18, BK12a, CCL+19, CPS16, DSMM14, DQFL12, FY11, LVV11, NIS15, NR12, Rja12, RW12, SMS14, SLY+16, Tan12a, WCXZ17, YTP11, AY14a, BDP11, BDK16, BCGS16, CG12b, CQX18, CW12a, ESRI14, Gen10, HRV10, HL12, Kom18, Li10, QZDJ16, WT13]. **fundamental** [Bre18]. **Fundamentals** [Joh10]. **Further** [HCL+14, WHY+12]. **Fus** [FMS12a]. **Fusion** [ABCL17, YYK+17, HW19]. **Future** [AYS15, BCE+12, BKBK14, Bon12, BLU+15, CDFZ16, Fri13, GCK12, HYS18, KHN+11, Mon13, SG19b, AP18, Ano13f, Dya19, FPBG14, Mac12, PPA18, PHWM10, MJS13].

Future-proof [Mon13]. **Fuzzy** [HWZP18, KRDH13, NC12, SH11, USH19, XJWW13, Alp18, BSBG19, HK17, KHMB13, LYC+10, MMSD13, SM11, SNM14, SC19b]. **FV** [MRL+18, RJV+18].

G [HLYS14, YN19]. **G2** [BP18]. **G2C** [BMP12]. **GA** [MMSD13]. **GA-fuzzy** [MMSD13]. **gadgets** [Gel13]. **Gait** [DM19, XJR+17, NMX15, XJR+17]. **Gait-Based** [XJR+17]. **Gait-Key** [XJR+17]. **Gaithashing** [NMX15]. **Gallai** [SS10b]. **Galois** [CFR11, CLF+17, HSA14]. **gambling** [Ana14]. **Game** [ADH19, MZA+13, LPZJ15, Pro15, SD10, SKEG14]. **Game-Theoretic** [ADH19, SD10, SKEG14]. **Games** [Alz19]. **Gap** [LRVW14, TMGP13, PPA18]. **Gaps** [SPM+13, DKL+16]. **Garble** [AIK14]. **Garbling** [App13]. **Gard** [Kap11]. **Gate** [Kar12, EAB+19, JSMG18b]. **Gates** [App13, BBKL19]. **Gateway** [WZM12a, WZM12b, WL11, WXK+17]. **Gateway-oriented** [WZM12a, WZM12b]. **Gateways** [RVS+18]. **Gathen** [Hom17]. **Gauss** [BPBF12]. **Gaussian** [HKR+18, RMERM19, YWL+17]. **gave** [Pau19]. **Gaze** [KTM+18]. **GCD** [ABSSS19, KI11]. **GCHQ** [Ald11]. **GCM** [BZD+16b, SKK10]. **GCM/GMAC** [SKK10]. **GDLP** [MMZ12]. **Gear** [AHS13]. **Geckos** [GSC17]. **geese** [Bai12]. **Gender** [Abb12]. **GenePrint** [HQY+16]. **Gener** [HYS18]. **General** [Bar16a, BCKP17, CJXX19, FJHJ12, GFBF12, Gue16, HP12, KOTY17, LPL15, LNG19, PB12, SJWH+17, YFF12, ABDP15, Bai12, DGJN14, GMT+12, HQZH14, LWS10, WS12, YC11, ZYC+17]. **General-Purpose** [Gue16, ABDP15, DGJN14]. **generalisation** [LR15]. **Generalised** [Hes12, ZHS10]. **Generalization** [GMNS15]. **Generalized** [BFMT16, GL19, LPL15, PT19, PC14, TY16b, Ye14, ZGCZ18, ZÁC17, ADG16, BNST17, KL11, NC13, YMSH10]. **Generated** [ADD10, LCL17b, NN12, XYXYX11, YM18, AGHP14, CBL10, JS18a, LW13b]. **Generating** [Ano16f, Con17]. **Generation** [ABS+12, BCGH11, BH15, GT19, HEP+11, LKBK19, LTC+15b, MR14a, MJGS12, NIS12, PS14, SOS15, SRK+17, SRK+18, XJR+17, Aia15, ACD+15, BDK16, CJXX19, GMRT+15, GMdFPLC17, GCH15, KHMB13, KKM+13, OMPSPL+19, SGFCRM+18, SPK17, TBK+18, XW13, YDH+15, ZYGT17, ZYGY18, ZHL+11]. **Generator** [ADD10, BK12a, CDK+10, MVV12, NNAM10, NKWF14, CFY+10, LGKY10, MRT10, PLSvdLE10, SH11, SM11, XSWC10]. **Generators** [AS17, DSLB18, LTKP16, MFG16, NIS12, PFS12, CP13, GR19b, HRV10, MG15, Sti11, Zim10]. **Generic** [BWLA16, BR14, Chi16, DL17, GWWC15, HXC+11, Sar10b, SY15a, WCL+18, ZCLL14, GM13b, HQY+16, NXS10, YT11b, ZYM19]. **generically** [MHKS14]. **Genetic** [JK13, MM17a, ASVE13, EEAZ13, PTK14]. **genius** [Hai17]. **Genomic** [BKLS18, RCP+18]. **Gentry** [GH11b]. **Genuine** [HR13]. **genus** [FWS13]. **geo** [FG19, Har14]. **geo-distributed** [FG19]. **geo-location** [Har14]. **geodesics** [ZZCJ14]. **Geographic** [LC17]. **Geolocation** [FPY15]. **Geometric** [ACA+16, DSB16, GTT11, WLZL12, YWNW15, CLZ+17, GZHD12, LZWZ19]. **geometrical** [TLL13]. **Geometrically** [WYW+13]. **Geometry** [tWmC12, CFR11, CZ15a]. **geospatial** [HK19]. **German** [BDFK12, Blö12, Buc10, Cop10a]. **Germany** [FBM12, GLIC10, Sen10, Wat10]. **Gesture** [LCL17b, RSX18, SCR19b, SHBC19]. **gesture-based** [SHBC19]. **gesture-typing** [SCR19b]. **Gestures** [AUMT16, KTM+18, GCSÁddP11]. **Get**

[GPT14, Sch11]. **gets** [Cou12a, Kum10]. **Getting** [ESS15]. **GF** [GT19]. **GGH** [CJL16, LH10b]. **GH** [AK14a]. **GH-public** [AK14a]. **Ghost** [CDA14]. **GHZ** [CCL+13]. **GHZ-State** [CCL+13]. **giant** [Joh15]. **GIFT** [CWZ19]. **girls** [Mun17]. **Girod** [GMNS15]. **given** [Bar19]. **GLARM** [LLZ+16]. **Glass** [Fyo19]. **glimpse** [Mic10a]. **Global** [CLP13a, CLH13, MRS+17, GH16, LH11b, TMK11, ZX11, LNK+18a]. **Globally** [CCS14, LG10]. **Glyph** [XZZ18]. **GMAC** [SKK10]. **Goal** [BMP12]. **Goal-Driven** [BMP12]. **Goes** [BCD+12, RY10]. **Goldfeder** [Ano16a]. **Goldreich** [Lin17]. **Goldstrike** [BH15]. **Goldwasser** [Gol19]. **Goliath** [Sch15c]. **Gong** [LLW16]. **Good** [DQFL12, FY11, Raz19, LSBN14, RY10, SA14, WT13]. **goodbye** [HU15]. **Google** [Har14, Loe15, VGN14]. **Goppa** [MBR15]. **Gordon** [GW14]. **gossip** [FG19]. **gossip-based** [FG19]. **GOST** [LJF19, LC13, WYW14]. **Govern** [Nor17]. **Government** [Ano15e]. **GPG** [Ran14]. **GPGPU** [CBL10, RVRSCM12]. **GPGPUs** [TLCF16]. **GPU** [AHG18, BCGH11, EZW18, GCH15, HBBRNM+16, JHCC14, KFE19, LGP19, LFK19, MBB11, ZOC10]. **GPUs** [AVAH18, VKPI17]. **Graded** [BR14]. **grail** [Wat15, Mic10a]. **Grain** [BMS12, SBM15, FSGW11]. **Grained** [CDD13, PV17, YTH17, CLH+16, LHH+18, XYML19, ZML17]. **Granular** [SYv+19]. **Graph** [ATS15, GTT11, WH18, GJMP15]. **graph-based** [GJMP15]. **graphic** [SKH15]. **Graphical** [BCV12, MC19, CTL12, Eng15, LTC+15a, MZL+19]. **graphical-based** [CTL12]. **Graphics** [HHMK14, ABDP15, KY10, PGLL10]. **Graphs** [BFM12, KU12, KA18, Lau17, PMZ12, BBGT12, KLN15]. **Grassroots** [GB19]. **Gray** [DA10, UUN13]. **Gray-Level** [DA10]. **Great** [Acz11]. **green** [dCCSB+16, ZTZ16]. **Grey** [BCKP17, LRW13]. **Grey-box** [LRW13]. **GREYC** [AGBR19]. **GREYC-Hashing** [AGBR19]. **Grid** [CGB+10, DLZ+16b, KS15, LPL15, VTY18, AMN18, BC16, CDWM19, DZC16, JAS+11, MCN+18, WS12, YY11, ZZY+19]. **Grid-Based** [LPL15, WS12]. **Grids** [SC10, CT11b, GLW13, LWK+19, Shy15, JAE10]. **Gröbner** [EVP10, FES10, Tam15]. **Gros** [Dan12]. **Grøstl** [ABO+17]. **Ground** [KP17]. **Group** [AEHS15, BSBB19, BSV12, CZCD18, CGY+13, CLW16, DT13, FVS17, HL10a, Har13, LLZ+16, LCCJ13, LWL+17, TW14, XLM+12, XGLM14, XZLW15, YJSL18, ZXH16, AKK+17, CML+18, GBNM11, HCCC11, HPY10, IOV+18, LLLS13, LWS10, LLM+19, PY19, RS15, SCBL16, WDZL13, WTT12, YZL+18, YLL+18, ZZKA17, ZWQ+11, ZGL+18a]. **Group-based** [LLZ+16, CML+18]. **group-key** [IOV+18]. **Grouping** [LNZ+13]. **Grouping-Proofs-Based** [LNZ+13]. **Groups** [Abe12, GZ12, HWS+19, XNKG15, YS12, YKNS12, LLY06, MZ17a, WQZ+13, ZZ15]. **Grover** [JL18]. **GRS** [TD14]. **GSR** [LC17]. **Guangdong** [IEE11a]. **Guaranteed** [TBCB15]. **Guarantees** [FVB+18]. **Guerrillas** [Has16]. **Guess** [FSWF11, Fok12]. **Guessing** [Che15, LCL17b, XJWW13, FIO15]. **Guest** [Ano19a, Gup15, BdD19, LLK18]. **Guidance** [BD15]. **Guide** [She17, STC11, Han12, Gre19a]. **Guided** [CJFH14, ZSMS18]. **Guiding** [DGJN14]. **GVW** [HLC+19]. **gwAs** [SAM+19a]. **Gyroscopes** [SNCK18]. **GyrosFinger** [SNCK18].

H.264 [JSZS12, JHHN12, LLHS12, LW13c, MU12, WDDW12, ZLDD12, ZLDD14]. **H.264/AVC** [JSZS12, JHHN12, LW13c]. **H.264/SVC** [MU12, WDDW12, ZLDD12, ZLDD14]. **H.265** [GKSB17]. **H.265/HEVC**

[GKSB17]. **Håstad** [Ten18]. **Hack** [DLV16, Fol16, Ran10, Ran14, Ran16]. **Hacker** [ZGC16]. **Hacking** [GHS14, Hea15, JEA+15, Sta13]. **hacks** [Ran10]. **HAIFA** [DL17]. **Half** [BBKL19]. **Halftone** [GL10]. **Hall** [Ful10, Don14]. **Hall-CRC** [Ful10]. **Hamming** [HRK18, CCLL11, KSSY12]. **Hand** [SR12a, Cho10]. **hand-held** [Cho10]. **Handauth** [HBCC13]. **Handbook** [Bee17, AB10b]. **Handheld** [RPHJ11, CTL12]. **Handoff** [HZC+12, HZC+14, XHCH14, ZBR11, ZCLL14]. **Handover** [HBCC13, LBR12, CLM+12, CML+18, FZZ+12, HZWW17, LNNH13, QMW17, YHL16, YHHS16, YLS12]. **Hands** [Bre18, GPT14, BSS11]. **hands-on** [BSS11]. **Handshake** [KK12, KK13, SM10c, WZ11]. **Handwriting** [SKV12]. **Handwritten** [GdM16, ASVE13]. **Hankel** [Ye10]. **Hans** [Mur10]. **haptic** [ASVE13]. **Hard** [KPC+11, Mar10c, ZWTM15, BDK16, BCGS16, RPG12]. **Hard-to-Invert** [ZWTM15]. **Hardcover** [Joh10]. **Harder** [KTA12, Sch16c]. **Hardness** [AH19, BHKN13, SS13]. **Hardware** [AW15, AW17, ARH+18a, ADSH18, BNMH17, BRPB13, BDMLN16, BJCHA17, CMLRHS13, DZS+18, DOS15, ERRMG15, GP17, GPR+19, GCVR17, GM16b, GCS+13, HKL+14, HG12, HSA14, HC17, HLN+10, KAK18, LGH+17, LLKA19, LRVW14, MLCH10, MCS+15, MRL+18, MHY+18, NDC+13, NdMMW16, PC16, PG12, RMP10, SN10, Set16, Sti19, Tay17, VCD16, WOLP15, YSF+18, YDV19, ZL19, ZHS+19, ZAG19, AMN18, ABO+17, BDM18, BGG+13, EAB+19, KHF10, MD12a, NS10, Nov10, PÁBC+19]. **Hardware-Assisted** [LLKA19, GPR+19]. **Hardware-Based** [HLN+10]. **Hardware-Enabled** [YSF+18]. **Hardware-Enforced** [Set16]. **hardware-entangled** [EAB+19]. **Hardware-Intrinsic** [SN10, NS10]. **Hardware/Software** [MRL+18]. **hardwares** [SKH15]. **Hardy** [Xie12a, Xie12b]. **Harmonic** [YWNW15]. **Harnessing** [DFKC17]. **Harvesting** [ABC+17, ZGC16]. **HAS-160** [WLC12]. **Hash** [Ano12, AMPH14, BHH+15, BKST18, BK12a, But17, CLP13a, jCPB+12, CZLC12a, CZLC12b, CZLC14, CJP12, DCM18, DL17, EAA+16, FLS+10, GI12, HCPLSB12, Hül13, HRS16, HBG+17, LYY+18a, LYX+19, LJF19, MSTA17, MKF+16, MCF17, MKAA17, MKASJ18, NIS15, NTY12, NR12, NXB13, PTT16, Rja12, SGY11, WSSO12, ZZM17, ZHZ+19, AY14a, AKY13, ABO+17, AP11, BCGS16, CJP15, Con17, ESRI14, HL12, KKG14, Par18, PPB16, RS14, SPLHCB14, SXL16, WYW14, ZCZQ19]. **Hash-Based** [BHH+15, But17, DL17, GI12, HCPLSB12, Hül13, HRS16, HBG+17, MKF+16, MCF17, MKAA17, NXB13, CJP12, CJP15, PPB16, SPLHCB14]. **Hash-Counter-Hash** [MKASJ18]. **Hashing** [AAE+14, AB17, ASBdS16, BHKN13, BKL+13, BP18, Kaw15, BDK16, BCGS16, CP13, AGBR19]. **Haskell** [Rus15]. **hatching** [WYK12]. **HB** [HSH11, PYH+18]. **HDH** [PDNH15]. **Headline** [YGFL15]. **Health** [AMSPL19, LYZ+13, LHL15, Rao17, ZVG16, AKS19, BC18, CLC+19, Ham19, IC17, OSP+19, WMX+17, YZL+18, ZAAB17, ZDHZ18, JKL+16]. **Healthcare** [BN14, HLKL15, ZLDC15, ASO14, Kim16, ZGL+18b]. **Hearing** [Bla16]. **Heart** [GMdFPLC17, HCYZ18]. **Heartbeat** [IA15]. **Heartbleed** [DKA+14, Ven14]. **hedging** [RY10]. **Heights** [Gen13]. **held** [Cho10]. **Helios** [CFE16]. **Hell** [Han12]. **Hellman** [ABD+15, ABD+19, Chi16, FHLOJRH18, Hof16, HLCL11, HLYS14, LZC14, LNL+19, McG16, Orm16, RH10]. **Helmut** [Mur10]. **helped** [Smi11a]. **helper** [RWZ13]. **HeNB** [CLM+12]. **HEPCloud** [RJV+18]. **Here** [Dya19]. **Hermitian** [ACA+16]. **Herodotus** [Keb15, Mac14]. **heroine** [Fag17]. **Hess**

[HP17]. **Hess-Like** [HP17]. **Heterogeneous** [KS18a, SP15b, YZDZ19, AIKC18, ABB19a, SZMK13, SCKH10, SHC+16]. **Heuristic** [BGJT14]. **Heuristics** [SKE+18, KÖ14]. **HEVC** [DG17, GKSB17]. **HIBE** [LW11c, LSQX19]. **Hickory** [NN15]. **Hidden** [FMS12b, PSS+13, YLL+12, ZYT13, ZYY19, BDK11, LCL+17a, Sch15c, Smi15a, XZP+19]. **Hiding** [AAA+19, DCA18, GGH+16b, GL10, JHHN12, KD19, MK12b, OT12, XLM+12, XGLM14, XZLW15, Ara13, DDM17, HZL18, KWH16, LXLY12, LT14b, SM19a, UUN11, WLH13, WZLW13, ZWM14]. **hiera** [Lac15]. **Hierarchical** [ADM12, BSSV12, DBT19, FSX12a, LSLW15, LHW18, NMS14, NLY15, OT12, SSSA18, WLWG11, WYML16, WHLH17, ZMW16, ZHW+16, ZYZ+19, DSCS12, HYS18, JCL+18, KPB17, LFZ+17, NZM10, RG10, SE14, SE16, WWYZ11]. **Hierarchies** [DMM10]. **Hierarchy** [NA10b, VN16]. **High** [AW17, ASBdS16, Ano17d, ARM15b, Bar15, BDL+11, CLB19, DM15, DG17, FHLD19, FYD+19, GL12, GCS+13, HMKG19, HZ11, KFE19, KMP+11, KPC+16, KAK18, LTKP16, LCK11, LLY+18, LPO+17, MS13b, MS13c, MM17b, MSR+17, PCPK14, WYCF14, WL11, XNRG15, XLP+18, AHG18, ABBD13, GZHD12, GCVR17, JLC18, KL13, MAK+12, PÁBC+19, RS17c, WLH13, WXLY16, WZLW13, WKH11]. **High-Assurance** [Bar15, KMP+11, WL11]. **high-capacity** [GZHD12]. **High-Dimensional** [Ano17d, XLP+18]. **High-Efficiency** [DG17]. **High-Impact** [DM15]. **High-Level** [AW17, KPC+16, ABBD13]. **High-Order** [FYD+19]. **High-Performance** [GCS+13, KAK18, LPO+17, CLB19, FHLD19, AHG18, GCVR17, PÁBC+19]. **High-Rate** [PCPK14]. **High-Security** [WYCF14, BDL+11]. **High-Speed** [ARM15b, HZ11, LTKP16, MSR+17, BDL+11, KFE19, KL13]. **High-Throughput** [HMKG19, MAK+12]. **Higher** [LWKP12, PRC12, gWpNyY+14, ZSW+12, LWKP14]. **Higher-Order** [LWKP12, PRC12, ZSW+12, gWpNyY+14, LWKP14]. **Highly** [CD16a, SZDL14, SC19b, ACD+15, DT13]. **HIGHT** [CWP12, WWBC14]. **HiiMap** [HEP+11]. **hijacking** [BCFK15, DCAT12]. **HILL** [KPW13, KA17]. **HIMMO** [GMRT+15]. **himself** [Pro15]. **Hindering** [BTPLST15]. **HISS** [DT13]. **histogram** [CSS+13, Lin14a]. **Historians** [Cer14]. **Historical** [Hai17, Han12]. **History** [ABJ13, Ano19b, Cer14, Cop10a, Hel17a, LT14b, McK10, McK11, SE16, Smi15a]. **history-free** [SE16]. **Hitler** [Hea15, Moo14]. **hitting** [GR19b]. **HIV** [GSGM16]. **HMAC** [GWM16, MAK+12, YGS+17]. **HMAC-DRBG** [YGS+17]. **HMAC-SHA256** [GWM16]. **Hoc** [LH12, PD14, She14, SS15, XHC+12, BBB19, KM10b, LXJ14, PY19, SGGCR+16, WXSH19]. **Hoffstein** [Mei10]. **HOL4** [HK14a]. **Holden** [Ano17b]. **Hole** [Ano15d, BKKV10, PC16, YKA16]. **Holocaust** [Han12]. **holy** [Wat15, Mic10a]. **Home** [BD18, HXHP17, KHN+11, KPP16, SYWX19, Cor14a]. **Homes** [VJH+18]. **Homogeneous** [HT11]. **Homomorphic** [AAUC18, AKP12, BV11, BV14, BGV14, CMO+16, CN12, CJ13, CK18, CNT12, DOS15, GH11a, GH11b, GHS12, GHPS12, GHY18, KOS16, KGV16, Kim15, KKK+18a, KHRG19, Lau17, LCLL15, LATV17, MLO17, MSM18a, MSR+17, MRL+18, MBF18, Mor19b, Nac16, ÖDSS17, PKTK12, RCP+18, RMZW19, Roh19, RJV+18, Tan15b, Vai11, WHC+15, WCXZ17, XWZ+18, AKKY17, BDOZ11, BC18, CJXX19, CW12a, DMD18, GH13, GHPS13, GLM+16, LLW16, MBP19, SEXY18, Tam15, WSC14, YJC18, ZXJ+14, ZYC+17].

Homomorphically [SG19a]. **Homomorphism** [Bra13]. **Honey** [JR14, CJW+19]. **Hop** [RWLL14, LCT+14]. **Hop-by-Hop** [RWLL14]. **Hope** [SD18]. **Hopf** [Kuz11]. **hose** [BSR+14]. **Host** [THA+13, LKKL13, der10]. **hosted** [SG19a]. **hostile** [CDA14]. **HotCalls** [WBA17]. **House** [Ano16j, Bla16]. **HP** [CGB+10]. **HPC** [KV19b]. **Hromkovic** [Gas13]. **HTTP** [BHCdFR12]. **Huang** [LLSW16]. **Huffman** [Sun16]. **Hui** [FMS12a]. **Hui-Yuan** [FMS12a]. **Human** [HHS+15, HWZZ19, IA15, DIMT12, HZW19, HW19, LWW+10, PYH+18]. **Humans** [RBNB15, RB17]. **Hummingbird** [ESS12]. **Hummingbird-** [ESS12]. **hunt** [Bha16]. **hunted** [McG11]. **HVS** [RMG18]. **HWMP** [BOB13]. **Hybrid** [ADI11, ARM15b, JLZ18, JHW+19, KBL11, KKA15, LP12, LLD19, MMBS19, NGAuHQ16, OO12, Per13, RCBK19, SGG18, SRT12, XWLJ16, Zaj19, SAM+19a, AM19, BYDC19, EEAZ13, KP18, WXLY16, WS14, XWS17, BOB13]. **Hybrid-Double** [ARM15b]. **hybrid-indexed** [WXLY16]. **hybridization** [MMSD13]. **Hyderabad** [GG10]. **Hyper** [BL14, KÖ14, LZKX19, WGZ+12]. **Hyper-and-elliptic-curve** [BL14]. **hyper-chaotic** [WGZ+12]. **Hyper-heuristics** [KÖ14]. **Hyperchaotic** [GMOGCCC15]. **hyperelliptic** [FWS13, Kre13]. **hypergeometric** [YL11]. **Hyperledger** [BHH19]. **HyPoRes** [MMBS19].

i-NVMM [CS11]. **I/O** [CDD13]. **i2b2** [RCP+18]. **IB** [CZLC14]. **IBBE** [SXH+19]. **IBC** [BOB13]. **IBC-HWMP** [BOB13]. **IBM** [ABC+12, ACD+15, BAB+13, HKL+14, JSM+18]. **ICA** [tWmC12]. **ICICTA** [IEE11a]. **ICISC** [LH10a]. **ICISSP** [Ano19a]. **ICN** [CHL19]. **ICs** [GSFT16]. **ID** [Ano17c, CTL13, CDPLCA16, EZ15, HCC10, IB11, KGO10, LMGC17, LY14, MWZ12, MM12, MMZ12, Mes15, PLPW13, Rom11, TPL16, TT12, TTH15, Wan18a, WDZ19, WT10b, WTT12, HWZZ19]. **ID-based** [MM12, LMGC17, MWZ12, TT12, TTH15, WT10b, CTL13, EZ15, HCC10, IB11, KGO10, LY14, MMZ12, Mes15, PLPW13, TPL16, Wan18a, WDZ19, WTT12]. **ID-card** [Ano17c]. **ID2S** [YRT+16]. **IDEA** [BNY14]. **Ideal** [LPO+17, WCL+18, HKT11, yYqWqZC13]. **idealness** [TD14]. **Ideas** [FREP17, Mac12]. **idempotent** [Dur15]. **Identical** [Bow11]. **Identifiable** [Oba11]. **Identification** [CZCD18, FSX12b, FSX12c, FSX12a, HWZZ19, KGP+19, VGA15, YGFL15, YKK18, AGLW16, BOP14, CTHP13, CJP12, CJP15, DJ19, EA12, HQY+16, HL19, KI11, KL13, NLYZ12, WYZ+17, YTM+14, ZAAB17]. **identified** [AZH11]. **Identifier** [LHW18, GSGM16, MJS13]. **identifiers** [Cer18]. **Identifying** [Bel18b, CZ19, CSV15, SVG16, ZCWS15, CAM19]. **Identities** [KHN+11, LBC18, GLM+11]. **Identity** [AHN+18, AQD12, ASM12, ASVE13, Ano15b, ACAT+15, ASS15, BWLA16, BCF16, BHG12, BKPW12, BDFK12, Ber12, Ber17, BS13b, Bow11, Cal13, CCFM12, CSL+14, CSZ+11, CZLC12a, CZLC12b, CLHC12, CZLC14, CLND19, CGL+12, CGY+13, Chi12, dCCSM+12, Faa19, FHH10b, FZT14, FR15, FSX12b, FSX12c, FSX12a, GOPB12, GR19a, Gla11, GY13, GDCC16, GJJ15, GJZ17, HZC+12, HvS12, HSM13, HSM14, HZX15, HYWS11, HYF18, JGP+18, KKA14, KRB12, Kuz11, LMG+18, LYX+19, LMB12, LSL12a, LKAT12, LXJ14, LLC+15, LTZY16, LSLW15, LH11c, LSC12, LBR12, MLO17, MHW+19, MBF+13, MJGS12, MJW+18, MR10, OdH12, Par12a, PSS+13, PSJ+13, PWVT12, RDZ+16, RS15, SS10a, SG12, SS10b, SS12a, SAAB10, Sch11, Ser12, SXH+19, SSPC12, SKGY14, SWW+16, SGH15, TKR14, Tia15, TH16,

THA+13, TMGP13, TAP19, TFS19, VJH+18, Vle12, VFFHF19, WY10, Wan14].
Identity [WZCH19, XXZ12, XLQ09, XQL11, XJW+16, YZX+12, YTM+14, Yon11, YHK+10, YKC+11, YFK+12, YCZY12, ZLH+12, ZMW16, ZYZ+19, ZDW+16, ZPXX17, ZYM18, ZYH+19, ZTSR12, vdWEG18, ATKH+17, Ano13f, BMBS10, BOB13, BSBG19, BMM12, BBGT12, CTHP13, dCCSB+16, DZ14, Din10, DWZ12, FA14b, GMRT+15, GR19b, GPVCdBRO12, HPJ+19, HZC+14, HWDL16, HZWW17, HLR11, HFCR13, HWB10, HWB12, HL11, HPY10, Hwa11, JCL+18, JZS+10, KKGK10, KKM+13, KL11, LKKL13, LK12, LXMW12, LCT+14, MMS+17a, MD15, MGP10, MJS13, MLM16, MM13, NCL13, NML19, ÖŞ11, PZL+19, PLCGS11, QYWX16, RG10, Rom12, SSY12, SE14, SE16, SR10, hSZZ15, SA16b, Sim15b, SSAF11, SSS11, SGM16, VGL14, WWYZ11, WWYY11, WSC14, WLFX17, WMX+17, Wan18b, WXMZ19, WHZ+19, Wat14b, WWW17, XW12, XCL13, XHM14, YWL+17, YWJ+19, yYqWqZC13, YYS+16, YMSH10, YKC+12, YXA+16, YNX+16, ZMYB17, ZZ12, ZYM19].
Identity [LZJX10, PN10, Sar18a, Kat13].
Identity-as-a-Service [VFFHF19].
identity-authentication [NML19].
Identity-Based [ASS15, BWLA16, BHG12, BKPW12, CZLC12a, CZLC12b, CZLC14, CLND19, CGL+12, CGY+13, Chi12, FHH10b, FZT14, FR15, FSX12b, FSX12c, FSX12a, GY13, GJJ15, GJZ17, HZC+12, HSM14, HZX15, LMG+18, LYX+19, LSL12a, LLC+15, LTZY16, LSLW15, LH11c, LSC12, LBR12, MLO17, RDZ+16, SGH15, TKR14, TFS19, Wan14, WZCH19, XXZ12, XJW+16, YZX+12, YHK+10, YKC+11, YFK+12, YCZY12, ZLH+12, ZMW16, ZYZ+19, ZPXX17, ZYM18, ZYH+19, CSZ+11, HSM13, HYWS11, HYF18, LKAT12, LXJ14, MJGS12, RS15, SXH+19, SWW+16, Tia15, TH16, ZDW+16, BOB13, BMM12, CTHP13, DZ14, FA14b, GMRT+15, HZC+14, HWDL16, HZWW17, HLR11, HWB10, HWB12, HL11, HPY10, Hwa11, JCL+18, LK12, LCT+14, MJS13, MM13, NCL13, PZL+19, QYWX16, RG10, SE14, SE16, hSZZ15, SA16b, SSAF11, SGM16, WLFX17, XW12, XCL13, YWL+17, YWJ+19, yYqWqZC13, YKC+12, YXA+16, ZZ12, ZYM19, LZJX10, Kat13].
Identity-Enabled [SG12].
Identity-Hidden [PSS+13].
Identity-Preserving [MHW+19].
IdM [ACAT+15].
IDs [SOS15].
IEC [BCM12, BCM13].
IEEE [IEE10, IEE11b, IEE13, IEE15, MSH+16, TBL19, Yan10, Ano16g, BOB13, CL11, FLH13, FZZ+12, NBZP17, ZBR11].
IEEE802.16e [HLCL11].
if [ABJ13, Pec17, Rus15].
IFIP [GLIC10].
IFP [MMZ12].
IFTTT [BD18].
Igor [Sha10].
II [Mun17, SCPSN10b, SMOP15, ZWS+18].
III [SMOP15].
ILA [HZS+19].
Illegal [ABJ13].
Illinois [Nor17].
Illogical [Hel17b].
Illumination [KLY+12].
Illusion [GHS14].
Illustrated [Cop10a].
Im [BGI+10, BGI+12].
IMA [Che11].
IMACC [Che11].
Image [BS11, Bai10, BAAS13, BDB14, BWR12a, CJFH14, CCC19, DA10, DCM18, DS19, GRRZ18, HD19, IAD10, JKHeY12, KPS10, KLK+19, LA15, LLL17a, LFX+18, LLLH18, LZKX19, MBC15, MAL10, MSM+18b, PWW10, QJC+18, RS16, RVRSCM12, SH11, SM11, SZHY19, SJ12, SGP+12, SMSK18, SS17b, SSA13, SRAA17, SZZT18, TB18, VGA19, WHZ12, WZXL12, WYW+13, WYCF14, yWXyZ+18, WYK12, WYL18, YLL+12, YWNW15, Ye10, Ye14, YH16, YXD18, ZXZ+11, ZWWW17, ZWZ17a, ZWZ17b, ZHS10, ARG19, AM19, BWA13, BM13, Bro19, CT11a, CW14a, EA11, FMB+18, GKCK11, HAK19, HLC16, KMG17, KM11, KKK+18b, LXCM11, LW10, LWLW11, LW13b, LPZJ15, MO14, MS17, NES+14, PTK14, SE18, Sch12a, SM13,

SM12, SNM14, ST15, SGFCRM+18, Sun16, jT12b, TTL10, TLL13, UUN11, UUN13, yWpWyYpN13, WDG19, WHZ+19, WGZ+12, WSS+19, WKH11, WOLS12, XSWC10, YWL+17, YC11]. **image** [YCC16, YSC16, ZLW+12, ZT14, ZSMS18, ZL12]. **Image-Guided** [CJFH14]. **Image-Scrambling** [LLL17a]. **ImageMagick** [Tay14]. **Imagery** [BCP14a, Ara13]. **Images** [BCPV11, BBM15, CLF11, FR16, GL10, LC15, LLY+12b, MR16, NC12, Yam12, dRSdlVC12, AM19, AMK12, DD13, HWYW14, LW13b, MM14a, MKH+12, UUN13, WLH13, WZLW13]. **imaging** [WW13]. **IMFlexCom** [PAF18]. **IMI** [PN10]. **imitation** [Hai17, Pro15]. **Impact** [Alo12, ACC+13, ATD17, BLS12, DM15, SF12, vRDHSP17, BGE+18, HURU11]. **Impartial** [BCF16]. **Imperceptibility** [HGT15]. **Imperceptible** [Lin14a]. **Imperfect** [ABD+15, ABD+19, BHvOS15]. **impersonation** [AATM18, GBNM11]. **Implantable** [BDM+19]. **Implants** [Mic16, SSPL+13]. **Implausibility** [GGHW17]. **Implementation** [AAUC18, BW16, BKLS18, BSJ15, BDMLN16, EGG+12, FHLOJRH18, FHLD19, GP17, GL12, GPT12, GM16b, GCS+13, HMKG19, HJ19, HF14b, JLZ18, KB10, KGV16, LYL+18, MFG16, MAS16, NdMMW16, QLL17, RMP10, Seo18, TV19, VKPI17, ZPM+15, AMN18, Ang16, BDP+12, GH13, GAB19, HBBRNM+16, KFE19, KY10, KSH18a, KSH18b, MM14a, MNNW15, NES+14, PBCC14, SK14, SAAB10, SVGE14, SF12]. **Implementations** [BFCZ12, BFK16, BDGH15, BJ10b, Bru12, CMLRHS13, CBL13, ERRMG15, EKOS19, GZSW19, LGH+17, MLCH10, MWES19, NDR+19, SJLK18, SG19b, Tom16, VV18, YZLC12, ZSH+19, ABBD13, ABF+14, BFG+14, BJR+14, CFN+14, CGH17, LBOX12, RSMA19, Sta11c, ZSW+18a]. **Implementing** [Dav11, GH11b, HTZR12, KV19b, LTC+15a, SG15, SVGE14, SLM10, VOG15, SA16b]. **Implications** [DK16a, OSH16, SC19a]. **Implicit** [BBD19, HP17, DWZ12, SSNS15]. **Implies** [BHT18]. **Imply** [ALR13, LRW17]. **Importance** [YL17, MLMSMG12]. **Important** [TC10]. **Impossibility** [ACM+17, BCF+14, Mat14]. **Impossible** [Blo15, CWP12, LJF16, TSLL11, WYL14, WW12, MNP12, SDM10, SDM14]. **improbable** [TS16a]. **Improve** [AQD12, PMG19a]. **Improved** [Ber18, BCP14a, Chi12, CGKO11, DL17, FVK17, GLLSN12, GR19a, HLS18, HIJ+19, IK15, JLH12, KZG10, LT14a, LWZ12, LJF16, LJF19, LHH11, LCCJ13, LC15, LYD+18, LSG+19, LLML12, MM17b, PH12a, QZ14, SK12a, SEHK12, SS10b, SP15a, TS16a, WCD19, WLC12, WWBC14, YHHS16, ZJ11, ZLDD12, ZZL+19, CNF+18, CBL10, GLW13, HWB12, Nam19, PWLL13, SDM10, XHH12, YSQM19, Wan14]. **Improvement** [FRS+16, LFX+18, LYL+18, LJ19, MWZ12, PLPW13, AN15, BMB16, CHS11, Far14, LNM+11]. **improvements** [EA12, HRV10, Tso13]. **Improving** [AB15, BCM+15, Chi16, FMS12b, GMS11, HLCL11, MHC12, Sar10a, SS11, YWF18, YKBS10, ZHS10]. **impulse** [LZKX19]. **IMS** [IG11, MEFO12, VGL14]. **in-browser** [ABR13]. **In-Memory** [PAF18]. **In-Order** [ZBPF18]. **In-Situ** [GRRZ18]. **Incentive** [SJWH+17, YTH17]. **Incentive-Aware** [YTH17]. **Incident** [CCG+16, CMG+18, GQH17]. **Inclusive** [FD11]. **Incomplete** [VJH+18]. **Inconsistencies** [YSC+15]. **inconsistent** [OF12]. **Increase** [NNAM10]. **Increasing** [AEH17, CLZ+17, HSC19, PKS18, RSX18]. **Incremental** [KKM+14, MPRS12, CS11]. **Incrementing** [KS15]. **IND-CCA** [AHS14]. **IND-CCA2** [Gal13, MVVR12]. **indefinite**

[Svo14]. **Independent** [FCM14, HQY+18, MTY11, MKRM10, YE12, ZTL15, BVIB12, BCGS16, DDD14, SCR19b, VV19]. **Index** [LHKR10, PSS+13, ZXYL16, Jou13, LLHS12, LW13a]. **Index-Based** [ZXYL16, LLHS12]. **indexed** [WXLY16]. **Indexing** [HCDM12]. **India** [BC11, CGB+10, GG10, Rom12]. **Indicator** [KU12]. **Indicators** [YT12, Pal16]. **Indirect** [ABS+12]. **Indistinguishability** [AS16, BCEO19, BCEO20, BV18, FYMY15, GGHR14, GGH+16a]. **Indistinguishable** [LG12]. **Individual** [LMB12]. **INDOCRYPT** [BC11, GG10]. **Induced** [VDB+16]. **induction** [BBBP13]. **industrial** [GHD19, LW19, OSP+19]. **Industry** [Ano11b, ATD17, QZL+16a, SXH+19, Cha13c, LHH+18, Men13b, ZSMS18]. **Infective** [GST12]. **Inference** [Bro11, DBPS12, NC12, RHLK18]. **Inferring** [BPSD17, BSA+19, PTRV18]. **Influence** [RSCX18]. **Information** [AQD12, ABCL17, Bai10, Big08, BF11, CVM14, CDGC12, CBRZ19, CGB+10, CST+17, CBL13, Dew11, DP12, FHKP17, FHS13, FP19, HBC+19, HHH+13, IF16, JHHN12, KD19, LG12, LW11a, Low12, MA17b, MAL10, NTKG17, RZ19, SGC14, STC11, TWZ11, Uto13, WSS12, XZZ18, XHZ+19, Yan10, Yek10, ZZ15, ZHL15, ZBPF18, AB10a, Abe10, AL15, ASVE13, BSS11, BGP+17, CFG+17, DMWS12, DGL19, GLM+19, HPJ+19, KL13, KPB18, LZ11, LWK+18, MKH+12, Mar10b, SRB+12, TKG+17, WHZ+19, WW13, Ano19a, BYL10, LH10a]. **Information-Centric** [FP19]. **Information-Theoretic** [CVM14, WSS12, CDGC12, GLM+19]. **Information-theoretical** [ZZ15, KL13]. **InfraStructs** [WW13]. **Infrastructure** [GM13a, HEP+11, PN10, VFFHF19, GAI+18, JAE10, SA12, LG10]. **Infrastructures** [MJW+18, FHM+10, YWZ+18]. **ingenious** [Mac12]. **Inhibiting** [GAS+16]. **Initial** [PAS13b]. **initialization** [PCK19]. **initiation** [AN15]. **initiative** [Sch16a]. **Injected** [LLZ+12]. **Injecting** [BBGT12, LZKX19]. **Injection** [ABS+12, ARP12, DDR+16, JWJ+17, PYM+13, YGD+17, CBJY16]. **Injections** [LCLW17]. **Ink** [Keb15, Mac14]. **Inner** [ADM12, LMG+18, OT12, YKNS12, DDM17]. **Inner-Product** [YKNS12]. **innovations** [JSM+18]. **Input** [GGHW17, XXZ12, Kom18, PBCC14]. **Inputs** [GGHW17]. **INSCRYPT** [BYL10]. **Insecure** [BCGN16, BWS19, Mur16, Lan17]. **Insecurity** [Bel19, HZX15, LSQ15, LRW17, LCDP15, SWYP12, WY10, Wan14]. **insertion** [XWDN12]. **inside-out** [AP11]. **Insider** [AJA16, ERLM16, LJS+14]. **Insights** [AH19]. **Inspection** [FGR+17, VCK+12, AZH11]. **Inspired** [RMG18, BW13, GPVCdBRO12, OK18]. **Inspires** [SPG+19]. **Instability** [LMB12]. **Installment** [SYC+17]. **instance** [BRT12]. **Instances** [HN10]. **Instantiating** [CMRH17]. **Instantiation** [LNWZ19]. **Instantiations** [LYY+16]. **instead** [AGH+17]. **Institute** [Wes16]. **Instruction** [ARP12, AB15, EKP+13, HZS+19, RS17a, YM18, BVIB12, DGK18, SF12]. **Instruction-Cache** [AB15]. **Instruction-Level** [HZS+19]. **Instructions** [FHLD19, KG19]. **Insulated** [FZT13, LDZ16, LH11c, HL11, LDZ+14, RG10, RWZ13, WWYZ11]. **insurance** [GQH17]. **INSuRE** [SDC+17]. **Integer** [Cou12b, KTM19, LLY+18, AMK12, MM13, Mes15, MN14, PC14, SD17]. **integer-factoring** [SD17]. **Integers** [CN12, CNT12, MH16]. **Integral** [AY14b, LWZ12, LJF19, ZSW+12, SM11, SNM14, SH11]. **Integrated** [LY15, MU12, AL15, SSY12]. **Integrating** [CFZ+10, LH12, OdH12, AEH17, HLYS14,

MCL+19]. **Integration** [AQD12, Kar12, ZWY+13]. **Integrity** [BCP14a, BCK17, DGFH18, FYMY15, MV16a, PZL+19, PH12b, SB18, TSB18, VBC+15, BC16, ED17, HKA+18, PPG19, SWW+16, YXA+16, YNX+16]. **Intel** [Arm19, MZLS18, SF12]. **Intellectual** [FREP17, Bar19]. **Intelligence** [Col17, Dew11, SG19b, Ald11, Bud16, GW14, Han12, Maf16]. **Intelligent** [AMK12, IEE11a, SAJL16, VFS+19, Wat14a, HLYS14, MKH+12, SMS+16, ZCZ+19]. **intensify** [HL12]. **Inter** [LBR12, OMPSPL+19, BGAD12, SCKH10, SA15, SHBC19, YWK+10a]. **Inter-domain** [LBR12, BGAD12, SCKH10, YWK+10a]. **Inter-Pulse** [OMPSPL+19]. **inter-router** [SA15]. **inter-session** [SHBC19]. **Interaction** [FMA+19, HSUS11, BBDP16, HK17]. **Interactive** [CJFH14, DF11, FSGW11, BCI+13, LH11a, LK18, LJY16, Pas13a, PPR+12, Yan14]. **interceptor** [Cho10]. **Intercepts** [Don14]. **Intercloud** [DCA19]. **Interest** [Sch19a]. **Interface** [WBA17]. **interference** [BBCL19]. **Intermittent** [VJH+18, CL16]. **Internal** [LCR+18]. **International** [ACM10, ACM11, BC11, CGB+10, Che11, Dan12, FBM12, GLIC10, JY14, LCK11, LW11a, LTW11, MV12, PJ12, Sen10, TT18, Wat10, Yan10, Yan11, AB10a, Abe10, Ano11a, BYL10, BL10, Gil10, GG10, HWG10, LH10a, IEE11a]. **Internet** [Ano13f, LFGCGCRP14, TW14, AAC+16, Ano13d, AKS19, BCHL19, Bel18b, BLU+15, CLF+17, CCMB19, CW12b, CEL+19, DRS16, DG15, FREP17, FMA+19, Fri13, Gel13, GMDR19, HKA+18, Ham19, HZL18, HEP+11, Hel17a, JKAU19, JTZ+16, KHRG19, LNK+18b, LW19, LGH+17, LSG16, MJGS12, MJS13, MSL13, MCF17, NLLJ12, NLY15, Orm16, PLGMCdF18, SB17, SXH+19, SS19, Söd13, SYv+19, SYW17, SYC+17, SKEG14, VWC19, WCCH18, XLC+19, YCT15, ZDHZ18, ZSY19]. **Internet-Draft** [MCF17]. **Internet-of-Things** [LW19]. **Internetworking** [SAAB10]. **interoperability** [HWK+15]. **Interoperable** [LG10]. **interplay** [JW14]. **Interpolation** [JTZ+16, KU14]. **Interpretation** [MZ17b]. **Interpretation-Based** [MZ17b]. **Interpreter** [MSI18]. **intersection** [Eng15, LZY+16]. **Interval** [PPR+12, Cra11, DTZZ12, LWY12, MO14]. **Interval-based** [PPR+12, Cra11]. **Intervals** [OMPSPL+19]. **Intra** [HF14b, GM13b]. **Intra-Masking** [HF14b]. **intra-node** [GM13b]. **Intrinsic** [HRK18, SN10, NS10, RCW15]. **Intrinsically** [SRK+17, SRK+18]. **Introducing** [Ano16g, Fay16]. **Introduction** [AG18, BCHL19, BdD19, DK02, DK07, DK15, Gas13, G13, Gre19b, HPS08, JSK+17, KL08, KL15, LLK18, Low12, Mei10, Men13a, Sch15a, SOG15, Sta11c, Big08, CM13, Buc10, Led16, Sch15a, Ful10, Mur10]. **Intrusion** [NSMS14, SAJL16, SBV14, YKC+12, MMF15]. **Intrusion-resilient** [YKC+12]. **Intrusive** [AARJ12, MFH13]. **invariance** [yWpNyL11]. **Invariant** [CSW12, NKWF14, RS16, WYW+13, YWNW15, GZHD12, GMdFPLC17, LXCM11]. **Invariants** [NKWF14, CDSLY14, KK10, MZ17a, TLL13]. **Invention** [Orm16]. **invents** [Ant14]. **Inverse** [JS18b, RMTA18, RMERM19]. **Inversion** [ABSSS19, KHHH14]. **Invert** [ZWTM15]. **Inverted** [ZXYL16]. **Invertible** [SLY+16, UUN13]. **Investigating** [SPM+13]. **Investigations** [Bla16, Har14]. **Invisibility** [BN14]. **Invisible** [AAA+19, Keb15, Mac14, SYL13]. **InvisiMem** [AN17]. **INVISIOS** [AARJ12]. **Invited** [SS19]. **Involution** [Bru12]. **Involvement** [LKBK19]. **Involving**

[HLCL11, RB17]. **IoT** [AATM18, AMSPL19, AMKC19, APMCR13, BDL+19, BBTC20, CCM17, CSH+18, FQZF18, FMC19, GAI+18, HHBS18, Hod19, KV19a, KKK+18b, KKD+18, LSQ15, LZZ+19a, MMP19, NVM+17, OSANAM19, PCK19, RC18, SSSA18, SGC16, SJLK18, TODQ18, TG17, Wan18b, WCFW18, WXK+17, XYML19, YWJ+19, YFT17, YFT18, YTH17, ZCWS15, ZLY+19]. **IoT-Based** [YTH17, ZLY+19]. **IoT-Enabled** [SGC16]. **IoT-FBAC** [YWJ+19]. **IoTs** [SAJL16, ZSW+18a]. **IP** [AGLW16, AZH11, LMS10, PJ18, PA10, RS17c, SP15a, TJZF12, WBC+10]. **IP-SEC** [PA10]. **IPE** [ZM16]. **iPhone** [Wu16]. **IPs** [EAAAA19, GSFT16, NDG+17]. **IPv6** [KP12]. **IRC** [HB13]. **IRC-based** [HB13]. **iris** [HURU11]. **IRIW** [JKHeY12]. **irregular** [YWL+17]. **Isabelle** [Kam19]. **ISBN** [Ano15b, Ano17b, Bai12, Joh10, Mur10, Sch15a]. **ISBN-13** [Joh10]. **Islet** [Dan12]. **ISO** [BCM12, BCM13, TS16a, WWBC14]. **ISO/IEC** [BCM12, BCM13]. **Isogenies** [Y+17]. **Isogenous** [AMMV18]. **Isogeny** [BF19, FHLOJRH18, KD18, KAK18, Lau17, LNL+19, ZSP+19]. **Isogeny-Based** [BF19, KAK18, ZSP+19, KD18]. **Isolated** [GKG19, Sch19b, YS15, KKJ+16]. **Isolating** [LG12]. **Isolation** [GGK18]. **Isomorphic** [AMMV18]. **Isopleth** [HGOZ19]. **ISSAC** [Wat10]. **Issue** [Ano13f, Ano16b, Ano16c, Ano16j, Ano19a, AHWB20, BCHL19, CWZL13, CSYY18, GO17, LW13a, LLK18, XW13, YYW19, PHWM10, Sim15b]. **Issues** [ABHC+16, PZPS15, VKK+19, JAE10, KJN+16, MHV15, SVGE14]. **ISTE** [Ano15b]. **Italian** [Sac14]. **Italy** [Cra12]. **Item** [CZ19]. **Items** [CZ19, YD17]. **Iterate** [HHR11]. **Iterated** [LPS12]. **Iteration** [CCZC13]. **Iterative** [QJC+18, SXL16]. **ITUbee** [FXP+17]. **iVector** [RSR+19]. **iVector-Based** [RSR+19].

J [Bar12, Led16, Sch15a, WZM12a]. **J2ME** [GPT12]. **J2ME-Enabled** [GPT12]. **Jacobian** [BAAS13]. **Jacobians** [Hes12]. **Jacques** [Nac12]. **jamming** [BCDN17, YSJL14]. **Janet** [Ayu12]. **Jannie** [KNTU13]. **Japan** [Sah13, TBL19, Maf16]. **Japanese** [Don14]. **Java** [GPT12, XHH12]. **Jaypee** [CGB+10]. **Jean** [Dew11, Nac12, SR14]. **Jean-Baptiste** [Dew11]. **Jean-Francois** [SR14]. **Jean-Jacques** [Nac12]. **Jeffrey** [Mei10]. **Jill** [Mei10]. **Joachim** [Hom17]. **Joe** [Car11]. **Johan** [Ten18]. **John** [Wes16]. **Johnny** [HM12, RAZS15, RS19]. **Join** [PD14, Ma17a]. **Joint** [ABF12, LC15, PMZ13, TCN+17, LSQ11b, ZC12]. **Joltik** [LSG+19]. **Joltik-BC** [LSG+19]. **Jonathan** [Ful10, Mou15]. **Jones** [Ber16b]. **Jose** [ACM11, IEE15]. **Joseph** [Ano16a, Mei10]. **Joshua** [Ano17b]. **Journey** [CFST17, RS19]. **Joux** [AY12a, AY12b]. **JPEG** [AOT13, DLGT19, LSQ11b, LC15, MAL10, QZ14, SK12a, SHC+16, WHZ12, WLH13, ZC12]. **JPEG-2000** [ZC12]. **Julia** [KD18]. **Julia/Nemo** [KD18]. **July** [MSH+16, Wat10]. **Junction** [VDB+16]. **June** [ACM10, ACM11, Gil10, Kap11, TBL19, TT18, Wes16]. **Juniper** [CCG+16, CMG+18]. **Juraj** [Gas13]. **Just** [Pfl10]. **JXTA** [AMHJ10].

K2 [PS12]. **Kaaniche** [Ver17]. **Kahn** [RNQ16]. **Kalyna** [OGK+15]. **Karatsuba** [BCL14, MSR+17, MRL+18]. **Karhunen** [BCPV11]. **KASE** [CLW16]. **Katz** [Ful10, Mou15]. **KDM** [CBJX19, MTY11]. **Keccak** [BDPV12, RS17a, BDP+12]. **keep** [Rus15]. **Keeping** [CG14b, Man13, Gup15]. **KEM** [CZLC14]. **Kepler** [LGP19]. **kept** [Cha13c]. **Kerberos** [SCKH10, TW14]. **kernel** [GM13b, HHAW19]. **kernel-assisted** [GM13b]. **Key** [ASN12, Alz19, ADSH18, Ano11b, ABB19a, BN14, BVS+13, BL12, BSBB19, BBB+16a,

BD15, Bar16a, BR19, Ber16a, BM18, BCO13, BKLS12, BF11, BKKV10, BB10, CVM14, CT18, CLY14, Che15, CLND19, CWZ19, CJ13, Chi16, CCT+14, CNT12, Cou12b, CMA14, DWWZ12, DL12, EAA+16, EFGT18, FZT13, FHLOJRH18, FVS17, FBM12, GDLL18, GFBF12, GT12, GZZ+13, GSW+16, GST13, GPT14, Gir15, GKS17, GZ12, GLB+18, GYW+19, HSMY12, HLLG18, HEP+11, HC12, HL10a, HWS+19, HCL+14, HTC+15, HEC+12, HLH19, Jia14a, JEA+15, KP12, KMZS19, KTT12, KFOS12, Kim15, KG19, LYX+19, LLSW16, LKBK19, LG10, LCLL15, LDZ16, LQY10, LY16, LH11c, LSQL18b, LCCJ13, LWL+17, LYY+18b, LBR12, LLH18, MZHY15, MVV12, MMP14, MTY11, MMY12, MV19, MKK17, MPRS12, MNS11, MSU13, NNA10, NYR+14, NTY12, Orm16, PSM17, PDNH15, PCPK14, Pud12, PNRC17]. **Key** [RVH+16, RSBGN12, RW12, Saa12a, SK11, SNJ11, SEHK12, Sas18, SK12b, Seo18, SWM+10, Sia12, SD18, SGH15, SLY+16, TMC15, TYM+17, TM12, VGA19, WP17, WSS12, WLC12, WZ15, WCL+18, WWHL12, WT10b, WSQ+16, WCXZ17, XNKG15, XXZ12, Xio12, XLM+12, XJWW13, XGLM14, XZLW15, XJR+17, YM16, YZX+12, YS12, YLSZ19, YLW13, YRT+16, YL17, Yon12, YKC+11, YFK+12, ZSP+19, ZXH16, ZY17a, AHG18, AAL19, AA14, AQRH+18, ATKH+17, APK+18, ABB+14, AKG13, AIB+16, ABW10, ABR13, AN15, AK14a, AYSZ14, AVAH18, BS15, BGAD12, BB14, BZD16a, BJ16, BSW12, Bon19, BGG+13, BEB+18, BBB16b, CFL13, Cha13a, CSD18, CLZ+17, CTL13, CML16, CLCZ10, DLK+16, DGlS12, Dur15, DMSD18, EBAÇ17, FHH10a, FA14b, FIO15, FHZW18, GMRT+15, GPP+16, GLMS18, GMdFPLC17, GH16, GBNM11, GLM+11, GSAV18, GTSS19, HPC12, HZWW17, Hod19, HWB10]. **key** [HWB12, HL11, HYL+19, HLYS14, HTC17, IM14, ISC+16, IB11, IOV+18, JSK+16, JLT+12, Jia14b, JSMG18a, KDH15, KMTG12, KKG14, KV19b, KIH19, KP18, KLW+16, KDW+17, LLLS13, LLP+18, LLY06, LZ11, LHM+10, LYW+10, LWS10, LDZ+14, LIK+17, LPdS10, LW13b, LZC14, LM14, LML+13, LLG19, MNP12, MHL18, MRT10, NACLR12, NCL13, Nos11, Nos14, ODK+17, OSANAM19, PY19, RR16, RG10, RWZ13, RPSL10, SES+16, SPD+10, Sar14, Sav16, SLZ12, SY15b, SZMK13, hSZZ15, SA15, SLXX16, SCBL16, SGP+17, SvT10, TK19, TCS14, TLL12, Tso13, TKHK14, VV19, VN17, WWYZ11, WRP70, WMU14, WDV18, WDKV19, WZM12a, WZM12b, WT10a, WTT12, WQZ+13, WXK+17, XW12, XW13, XCL13, XXCY19, XYML19, XLC+19, XMHD13, XHM14, YT11b, YC12, Yan14, YZZ+14, YHHS16, YZL+18, YLL+18, YN19, YY13, YLZ+16, ZCZQ19, ZPZ+16, ZYGT17, ZYGY18, ZWQ+11, ZZ11, ZHL+11, ZCC15, ZTZ16, ZGL+18a, ZXW+18]. **key** [ZXWA18, ZCL+19, ZG10, ZZC15, ZZC17, ZY17b, ZWS+18, ZCZ+19, ZHT16, vV16, CLW16, OHJ10, XJR+17]. **Key-Aggregate** [CCT+14, PSM17, GLB+18, CLW16]. **Key-Agreement** [WSS12, APK+18]. **Key-Alternating** [BKLS12]. **Key-Based** [Xio12]. **key-correlations** [Sar14]. **key-delegation** [JSMG18a]. **key-disclosure** [ZZC17]. **Key-Establishment** [BCO13]. **Key-Extraction** [GPT14]. **key-hash** [KKG14]. **Key-Insulated** [FZT13, LDZ16, LH11c, HL11, LDZ+14, RG10, RWZ13, WWYZ11]. **Key-Length** [GT12]. **Key-Length-Based** [PNRC17]. **Key-Policy** [GZZ+13, GSW+16, HSMY12, RVH+16]. **Keyed** [KE19, MMS17b, YHHM18]. **Keyed-Function** [MMS17b]. **KEYing** [TW14, BCPV11, ABC+18, GJ19]. **Keyless** [PDMR12, ZXW+18]. **keyrings** [MBB11]. **Keys** [ASN11, ABL+18, BF12, Bro17, CC10,

HDWH12, LSQX19, MS16, PSM17, TW14, ZMW16, CMG+18, DMM10, HFH16, HL14, IK15, KV19a, LLY15, LHA+12a, LH13, LW10, LLL+18, RWZ13]. **keystream** [SM11]. **Keystroke** [AaBT16, SP13, BGE+18, CTL12, DM09, GEAHR11, LTC+15a, MCRB19]. **Keyword** [CWL+14, Che15, HWZP18, HCDM12, HLH19, LSQL18b, WDCL18, XWSW16, XJWW13, ZXYL16, BZD16a, BL11, CLH+16, DDY+19, FSGW12, GZS+18, LXK+14, OSSK16, SY15b, WHY+12, WXLY16, XWY+18, XTZ+19, XLC+19, YZCT17, YQZ+19]. **Keywords** [CWWL12, ZZ11]. **KGC** [YT11a]. **Khudra** [CWZ19]. **Kiasu** [LSG+19]. **Kiasu-BC** [LSG+19]. **kid** [Tan17a]. **Kind** [WJ19]. **King** [ABJ13]. **kiss** [HU15, KYEV+18, Ros11]. **KLEIN** [GNL12]. **Klepto** [XY18]. **knapsack** [ACD18]. **Knapsacks** [Dun12a]. **Knaves** [CEL+19]. **Knebl** [Mur10]. **KNEM** [GM13b]. **Knights** [CEL+19]. **knocking** [KSB+17]. **Know** [BC14, CAC14, XTK10]. **Knowledge** [BSCTV17, CLP13a, COP+14, GJO+13, GOS12, IW14, LYY+16, MX13, MBC+18, MT12, OOR+14, Pan14, TSH14, Ano11a, KPP16, LLM+19, MDHM18]. **Known** [DWWZ12, JLH12, SEHK12]. **Known-Key** [DWWZ12, SEHK12]. **Knuth** [Ten18]. **Koblitz** [BJ10b, TX16]. **Kode** [NN15]. **Korea** [LH10a, LW11a]. **KP** [FJHJ12, HQZH14]. **KP-ABE** [FJHJ12, HQZH14]. **Kristie** [Keb15]. **Kryptografie** [Blö12]. **Kryptographie** [Buc10]. **Kuala** [HWG10]. **Kummer** [HR19]. **Kurtosis** [YYO15]. **Kyoto** [TBL19].

L [Low12, Xie12a, Xie12b]. **LAAP** [Gop19]. **Labs** [Ven14]. **Labyrinth** [Fox13]. **Lacks** [BDSG+13]. **LACO** [AMSPL19]. **LAKE** [BCO13]. **Lanczos** [FYD+19]. **Lanczos-Based** [FYD+19]. **Land** [Sch18]. **Landis** [BBB16b]. **language** [Ksi12]. **Languages** [MX13, Wat12]. **LANs** [FLH13]. **Lapin** [HKL+12]. **Laptop** [GPT14]. **Large** [AN12, DM15, FNWL18, JLS12, JKHeY12, KCR11, KU12, LLSL19, LW16, LQD+16, MC11, SP13, And19, dCCSB+16, DEL19, EEAZ13, FXP12, GSN+16, LFZ+17, LBOX12, SR10, VSB+19, ZZKA17, ZVH14]. **Large-Scale** [DM15, JKHeY12, LLSL19, LQD+16, And19, dCCSB+16, DEL19, FXP12, GSN+16, SR10, ZZKA17, ZVH14]. **LARK** [DS11]. **Laser** [DDR+16, FNP+15, Lüd12]. **Last** [Hof15, Hof16]. **Latency** [AYS15, BCG+12b]. **Latency-Optimized** [AYS15]. **lateral** [SCY15]. **Latest** [Ber17]. **Latin** [AB10a]. **Latincrypt** [AB10a]. **Lattice** [ADM12, Ano11b, AYS15, BSJ15, EM12, EFGT18, FGM10, GCH+19, HPO+15, HKR+18, LNWZ19, LPO+17, MLO17, NDR+19, PG12, AAT16, AVAH18, BH19, Dra16, LLM+19, MGB19]. **Lattice-Based** [ADM12, Ano11b, AYS15, BSJ15, EM12, EFGT18, HPO+15, HKR+18, LNWZ19, LPO+17, MLO17, NDR+19, PG12, GCH+19, AAT16, LLM+19]. **Lattices** [Boy13, LYY+18a, LYX+19, Lau17, TH16, XXZ12, ZQQ15, Kre13, Tia15, XLWZ16, yYqWqZC13]. **launch** [Zet14]. **LAUP** [BNNH19]. **Laurent** [Ano15b, Ver17]. **Law** [Bla12, SR14, Wu16, AOT13, ZHS10]. **Layer** [HQY+18, LHM+15, PRGBSAC19, ZXH16, HQY+16, LKKL13, ZHH+17]. **Layered** [Bel19, BS14, GRL12, WWL+14, JCHS16, Tan18, ZC12]. **Layering** [YYK+17]. **LBlock** [KDH13, MNP12]. **LDGM** [BBC+13]. **Lead** [Arm19]. **Leader** [ADH19, TKM12]. **leads** [Ano14a]. **leak** [BBG+17]. **Leakage** [AV12, Bar16b, BKKV10, CBRZ19, CBL13, DCA18, DHB16, FPS12, GDLL18, HHH+13, HHP17, HHS18, IL15, Kom18, LTZY16, LSQZ17, NTKG17, NTY12, Pan14, SGH15, TTH15, Wan18a, XZY+12, YZLC12, YZ12,

YCZY12, ZYT13, ZWTM15, ZM16, ZZM17, ZYZ+19, ZYY19, ZY17a, ZY17b, ZYM18, ZYH+19, ZBPF18, ABC+18, CQX18, DLZ16a, DMWS12, GV14a, GLL+18, HYL+19, LLG19, SGP+17, YLZ+16, ZWM14, ZCC15, ZYM19]. **Leakage-Free** [IL15, LSQZ17, TTH15]. **Leakage-Resilience** [NTY12]. **Leakage-Resilient** [AV12, FPS12, HHS18, LTZY16, Pan14, XZY+12, ZYT13, ZZM17, ZYZ+19, ZY17a, ZYM18, ZYH+19, ZY17b, ABC+18, CQX18, DLZ16a, GV14a, LLG19, ZYM19]. **leakage-tolerating** [ZWM14]. **Leaking** [BF11]. **Leaks** [CATB19, DLV16, JGP+18, Sav13a]. **Leaky** [DLWW11]. **Leap** [Ano16d]. **Learned** [KMP+11, WL11]. **Learning** [BNMH17, Bar16b, CTC+15, CRS+18, GN16, HFW+19, HXHP17, HGOZ19, KPC+11, KRB12, Mor19b, Raz19, RDK19, RHLK18, SPG+19, Yon11, ACMP19, GJ13, GSAMCA18, KMG17, KD19, Sch12a, WS14, BCV12]. **learning-based** [WS14]. **Least** [KTM19]. **Leave** [GA19, CMG+18]. **Lecture** [Hel17b]. **LED** [IS12, JKP12, MRTV12]. **Ledger** [Muf16]. **Leeds** [vDKS11]. **Left** [BBG+17]. **Left-to-right** [BBG+17]. **Legacy** [CS12, Smi11b, CGH17]. **Legal** [ZTSR12]. **LeGall** [Ara13]. **Legislation** [PH12b]. **Legitimacy** [IM16]. **Lemonade** [DFKC17]. **Lemons** [DFKC17]. **Length** [AS17, GT12, Gir15, PDNH15, PNRC17, Zha12]. **Length-Doubling** [Zha12]. **Lengths** [BR19]. **lens** [PHN+12]. **LEO** [RM18]. **LESPP** [WLZ+16]. **Less** [TKR14, GM13a, Kam16]. **Lessons** [KMP+11, TGC16, WL11, CMG+18]. **Level** [AW17, Ano15a, BBCL19, BRPB13, BKJP12, CCW+10, DA10, FGRQ18, Gli12, HZS+19, HS18, JWJ+17, KPC+16, KGP12, MV16a, XZL+19, ZLDC15, ABBD13, CJL16, MEFO12, RS17c, UUN13, VS11, YT11a, Bai12]. **Leveled** [BGV14]. **leveling** [LY15]. **Levels** [HLCL11, LRW17]. **Leveraging** [DMS+16, GMDR19, HCM11, MvO11, SKGY14, ZYGY18]. **Lewis** [Mar10a]. **Lexicographic** [ZÁC17]. **LFSR** [HLC12, MRT10, WGD18]. **LFSRs** [QGGL13]. **Liability** [Bra13]. **Liars** [Sch12b]. **Libertarian** [Eya17]. **Libgcrypt** [DK16b, Bro17, Win17]. **LiBrA** [GMVV17]. **Library** [ÁCZ16, Bee17, BLS12, FLW12, KRH18]. **Licensing** [EAAAA19]. **Lie** [HWS+19]. **Life** [MKN13, SCMS18, McK10, McK11, War11]. **Lifecycle** [Tan15a]. **Lifetime** [HSUS11]. **Lifting** [LSL12b]. **Light** [JEA+15, SWF+19, PCK19, SJ19, ARH+18a]. **Light-Weight** [SWF+19]. **lightning** [Ran10]. **Lightweight** [ADM19, AMSPL19, AMKA17, AARJ12, BNNH19, BCHL19, BSS+13, BFMT16, BKL+13, BM11, CGCGPDMG12, CWP12, CCF17, DS11, ESS12, EKP+13, FVB+18, FQZF18, GNL12, GAI+18, Gop19, GMVV17, GMSV14, HZWZ18, HCETPL+12, IS12, IOM12, KE19, MO12, MFG16, MPM+17, PCDG14, SBS18, She14, YN19, ZWY+13, ZSY19, ZLY+19, ZSH+19, AMN18, AATM18, AMKC19, AKKY17, BLL+19, BC16, BBB19, Bor10, BBB16b, CL11, DA18, FLL+14, GH15, GTSS19, KDH15, LLZ+16, MCN+18, MNP12, MHV15, MHY+18, OSANAM19, PJ18, PSdO+13, SGJ+18, Tan12b, TG17, WLZ+16, WCFW18, WWBC14, XWZ+18, XXCY19, XHM14, YCT15, ZZY+19, ZSW+18a]. **Like** [BW16, ERLM16, HP17, WJ19, AHG18, CGCS12, CJZ13, HLH19, KO16, LJ15, LJ16, RS14]. **Lilliput** [BFMT16]. **Limitations** [CK17, DR12]. **Limited** [DFKC17, ZZC17]. **Limited-Use** [DFKC17]. **Limits** [AS16, GV14a, KS12]. **Lindell** [Ful10]. **Line** [FFL12, LKBK19, YMWS11]. **Linear** [BCI+13, BW12, CGCS12, CMA14, EKP+13, FGMP12, HK14a, LGLL12, LJ15, LJ16, LFW+16, WGF16, YCL17, BBEPT14,

Bul10a, DMSD18, FES10, GMOGCCC15, Her10, HCCC11, LWK11, ÖŞ11, SA14, XSWC10]. **Linear/Linear** [EKP+13]. **Linearly** [ADD10, MBP19]. **Lines** [HR19]. **Linguistic** [OO18, OO10, OTO18]. **linguists** [Maf16]. **link** [Ham12, VS11]. **link-state** [Ham12]. **Linkable** [YLA+13]. **Linkage** [RCBK19]. **linked** [JCHS16]. **linking** [GSGM16, NPH+14]. **Links** [PRGBSAC19]. **Linux** [Fel13, HHAW19]. **Lipreading** [OŚ12]. **LISA** [PCK19]. **LISISAP** [VS11]. **List** [AEHS15]. **Listening** [Lan17, Sch16a]. **Listless** [SS17b]. **literature** [IAA+19]. **live** [ZZCJ14]. **live-wire** [ZZCJ14]. **Liveness** [HCYZ18, OŚ12]. **Lives** [Acz11, McK12]. **Lizard** [MSS+18]. **LLL** [NV10]. **Load** [AN12, FXP12, PRN+19, SG19a]. **Loc** [CDPLCA16]. **Loc/ID** [CDPLCA16]. **Local** [pNyWyY+14, TMK11, VGA15, WYW+13, LMJC11, LWW+10, PTK14]. **Locality** [Kaw15, NCCG13]. **Localization** [SRAA17, GAI+18, NC13, SCY15]. **Locally** [Yek10]. **locating** [ZYL+10]. **Location** [AV18, JP19, Kim11, PSD15, PKA15, RSX18, SNCK18, VKK+19, WPZM16, WK18, CXX+19, CHX13, Har14, JK19, LWYM16, NZL+15, PC14, YXA+18]. **Location-Based** [JP19, Kim11, CXX+19, CHX13, LWYM16, NZL+15]. **Location-dependent** [PKA15]. **Location-Privacy** [PSD15]. **Locations** [KD12a, Alp18]. **Locator** [LHW18, MJS13]. **loci** [FES10]. **Lock** [YTF+18]. **Locking** [AB15, FHS13, LCW+16, LHA+16]. **locus** [HPJ+19]. **Loève** [BCPV11]. **Log** [YKK18, PGLL10]. **Log-polar** [YKK18, PGLL10]. **Logarithm** [BGJT14, CLL16, VM14, AMORH13, BGJT13, MM13, Mes15, TPL16]. **logarithms** [BGG+19]. **LogCA** [AW15, AW17]. **Logging** [YNR12a, YNR12b]. **Logic** [Che18, Cil11, DGP10, Hel17b, Nie02, RZZ+15, Ter11]. **logical** [CO11]. **Logistic** [JHW+19]. **logo** [BWR12b]. **Loiss** [DG12]. **Long** [Lam13, vdG17, CFVP16, VBC+15, BF12]. **Long-distance** [Lam13]. **Long-Term** [vdG17, CFVP16, VBC+15]. **look** [AY14a]. **look-up** [AY14a]. **Looks** [ERLM16, KTA12, Sch16c]. **lookup** [LDDAM12]. **lookup-table** [LDDAM12]. **Loop** [EFGT18, JS18b, DWZ12]. **Loop-Abort** [EFGT18]. **losing** [SLZ12]. **Loss** [DK16b, JTZ+16, DMV15]. **Lossless** [DA12, LZC+12b, GJ13, TTL10, WLH13]. **Lossy** [BKPW12, CCL+19, CW12a, DN12, ASO14, CQX18]. **Lost** [WBA17]. **love** [Fag17, FHM+12]. **Lovers** [Keb15, Mac14]. **Low** [ABC+17, AWSS17, Bai10, BCO13, BCG+12b, CMLS15, DJL+12, FHS13, FMC19, GST13, GI12, LJK17, LZZ+19a, LBR12, Man13, NVM+17, RM18, RS17c, SAJL16, WT10b, ZJ11, ABO+17, CZ14, CJL16, Chi13a, FQZF18, LGKY10, LKAT12, LEW19, MHV15, NR11, SG19a, ZPZ+16]. **low-area** [ABO+17]. **Low-Bandwidth** [GST13, NR11]. **Low-Bit-Rate** [LJK17]. **Low-complexity** [DJL+12]. **Low-Cost** [ABC+17, GI12, LZZ+19a, Man13, NVM+17, LEW19]. **Low-Distortion** [FHS13]. **low-end** [Chi13a]. **Low-Latency** [BCG+12b]. **low-level** [CJL16]. **Low-Overhead** [AWSS17]. **Low-Power** [SAJL16, WT10b, FMC19]. **low-resource** [FQZF18, MHV15, ZPZ+16]. **Lower** [BCG19, LJ15, Raz19, Sha10, Shp03]. **lp231** [LK14]. **LPM** [LD13, PJ18]. **LPN** [HKL+12]. **LPSNR** [LP12]. **LR** [YZ12, ZWM14]. **LR-FEAD** [ZWM14]. **LR-UESDE** [YZ12]. **LSB** [DA10, LHM13, Tan12a]. **LTE** [CLM+12, DLK+16, LLLS13, QMW17, SGC16, TM12]. **LTFs** [ZYY19]. **Lucas** [RW12]. **Lucia** [DDS12, Dan12]. **Lucky** [AP13]. **Lumpur** [HWG10]. **Luo** [RSD19]. **LUT** [HF14b]. **Luther** [ABJ13]. **LWE** [BV11, XY18]. **LWT** [TB18]. **Lyra2** [ASBdS16]. **LZSS**

[CFY+10].

M [Orm16, Ver17, HvS12]. **M-Identity** [HvS12]. **M2M** [TKG+17]. **MA** [ACM10, TT18]. **MAC** [Kim15, LCLL15, ABS+12, CJ13, GKM16, MS13a, MS13b, MS13c, OPS14, VN16, WCXZ17]. **MacGuffin** [LGL+12]. **Machine** [AGHP14, Ano16d, CHS15, GN16, KD19, Sch12a, TKG+17, ABBD13, GJ13, GSAMCA18, Gup15, LLZ+16, LHA+16, QMC17, RY10, TTL10, War11, WS14, TKG+17]. **Machine-generated** [AGHP14]. **Machine-learning** [KD19]. **machine-to-machine** [QMC17]. **Machines** [Ber16b, HB17, BBDL+17, KSU13, PWW10]. **Macrakis** [Keb15]. **MACs** [DL17]. **MacWilliams** [ÖŞ11]. **Made** [Orm16, Sma16, SD18]. **Magic** [KÖ14, PHN+12]. **Magnetic** [VDB+16]. **Magnifying** [DKL+16]. **mail** [BTW15, Sch16b]. **Main** [AMH+16, LY15, ZHZ+19, CS11, HHAW19]. **Maintaining** [WP15]. **Make** [Ayu12, BP06]. **makes** [Kem11]. **Making** [BG14, dCCSB+16, Gel13, LA10, ZDW+16, Kni17]. **Malaysia** [HWG10]. **Malicious** [AAE+14, ARWK19, BL15, BL16, Mor19a, TM18, VGA15, BK12b, OSNZ19, WTT12]. **malleability** [KTT12]. **Malleable** [CKLM13, DPW18, MSas12, CG14a, FMNV14, LP11, MSas13, OOR+14, Pas13a]. **Mallory** [FHM+12]. **Malware** [ATS15, GN16, GAF+15, JC13, OMNER19, Uto13, Ano14a, Goo12, KGP+19, Yaa19]. **man** [And13, Bat10, Kap13, Moo14]. **Management** [ASM12, ABB19a, BD15, Bar16a, BS13b, CCFM12, CSL+14, GOPB12, Gla11, KP12, KKA14, Lop15b, MKF+16, MJW+18, MKK17, MHMSGH16, PN10, RC18, TMGP13, Vle12, YZDZ19, YZX+12, YSS14, ZJ11, ZTSR12, BMBS10, BSBG19, BBB16b, CFL13, Cha13c, dCCSM+12, dCCSB+16, Din10, KH18, MLMSMG12, MGP10, PLCGS11, Sch11, SK18, SR10, SA15, SWW+16, SCBL16, THA+13, WSC14, WDV18, WDKV19, WWW17, WQZ+13, YZL+18, YLS12, ZMM+10, Ano15b]. **Manager** [KKA15, Kim16]. **Managing** [Lal14, MD15, BC18]. **MANET** [KTUI16]. **MANETs** [Yan14, ZYGY18]. **Manhattan** [SS10c]. **manipulation** [OF12]. **Mansour** [DKS12, LPS12]. **Manual** [Sac14]. **Manuale** [Sac14]. **Manuscript** [Ano16e]. **Many** [CCL+19, LB13, HRS13, ZQWZ10]. **Many-Core** [LB13]. **many-to-one** [ZQWZ10]. **Map** [WK18, XYXYX11, Bro19, CJL16, ISC+16, LZY+16, LWK+18, MZL+19, PC14, SE18, ZT14]. **map-based** [LWK+18, MZL+19]. **Maple** [G13]. **Mapping** [CBL13, LHW18, MS17, JS18a, MM14a]. **Mappings** [MC11, CDPLCA16]. **mapreduce** [DMD18, LJLC12]. **Maps** [Ye14, BAAS13, BSBG19, KCS+18, KLW+16, LWW+19, LW10]. **maps-based** [LWW+19]. **March** [Ano10a, Cra12, DDS12, Dan12, Dun12b, IEE11a, Pie10, Sah13, WZM12a]. **Marche** [CCFM12]. **Margaret** [Led16, Sch15a]. **Marian** [Kap13]. **Market** [DMO+19, YWK10b]. **marking** [PJ18]. **Markov** [CR12, FVK17]. **Marotto** [SE18]. **Marshall** [Don14]. **Martin** [ABJ13, Hof16, McG16]. **Maryline** [Ano15b]. **Mashup** [HTZR12]. **Mashup-Providing** [HTZR12]. **Masked** [GZSW19, WH17]. **Masking** [HF14b, PYM+13, USH19]. **Mass** [BPR14a, BPR14b]. **Masses** [Ano15c, BCHC19]. **massive** [FLYL16a]. **Master** [Dew11, LYX+19, Mar10a]. **Matching** [Lin15, RCBK19, Tan12a, DA18, LHM13, MR14c, MHT+13, PPTT15, SS17a, SM10c, YZL+18]. **MathCW** [Bee17]. **Mathematical** [Bee17, FGPGP14, Ham17, HPS08, IBM13a,

Mei10, Sch15a, Wes16, KM14, OO10, Sta11c]. **Mathematical-Function** [Bee17]. **Mathematician** [Ano17e]. **Mathematicians** [Acz11]. **Mathematics** [Ano17b, Ayu12, BP06, Led16, Nie02, Sch15a, Ter11, CM13, Kra12, PHWM10, Wes16]. **MATLAB** [TRD11]. **Matrices** [ÁMVZ12, BNA15, AKG13, FES10]. **Matrix** [BFMT16, IAD10, KKK+18a, LYY+18b, SK12a, TDTD13, Ye10, Cha13b, LLM+19, TK14]. **matrix-vector** [LLM+19]. **Matter** [Rau15, SS12a, DKA+14]. **Maturity** [ABPP16]. **Max** [And13]. **Maximizing** [DBPS12]. **Maxims** [Kob10]. **Maxwell** [LGP19]. **May** [BL10, FBM12, Gil10, IEE15, Sen10]. **maze** [LLC10]. **mbedTLS** [YGS+17]. **MC** [HIDFGPC15]. **MC-2D** [HIDFGPC15]. **McEliece** [DN12, GV14b, MBR15, MT12, MG15, OTD10, SWM+10, VOG15, Zaj19]. **Mclaughlin** [GL19]. **McOE** [FFL12]. **MDPC** [GAB19, HC17, VOG15]. **Me** [Wil11, XHH12]. **Mean** [SZHY19, TTL10]. **Meaningful** [LTC+15b, SA16a]. **Means** [KRDH13, AMHJ10, Kam16, LG10, Pal16, SG19a]. **Measure** [DDD14]. **Measure-independent** [DDD14]. **measurement** [QLZ19, VGN14]. **Measurements** [DTE17]. **Measuring** [MMF15, DMWS12]. **Mechanical** [RSCX18, Mat19]. **Mechanism** [ABB19a, KG19, KD12b, LL15, LLY+18, Lin15, PKTK12, Saa12a, SMOP15, ZHS+19, BBTC20, CL11, FXP12, KKJ+16, MCRB19, NXS10, PLPW13, PSJ+13, WB12, YXA+16, ZWM14]. **Mechanisms** [CBO+18, CCC19, GPR+19, JWNS19, JSK+17, SGG18, FHH10a, KSA16, MMZ12, PLGMCdF18]. **Media** [KBL11, Fri10a, vdWEG18]. **Mediated** [Fra16, YHK+10]. **Medical** [BDM+19, KBL11, UUN11, AIA+18a, AM19, AMK12, KCS+18, KSA16, AMKC19, KLC+10]. **Medicine** [MA17b, LWK+18]. **MEDiSN** [KLC+10]. **Meet** [LJ17, LJ18, LYD+18, LSG+19, LWKP12, LWPF12, LWKP14, vV16]. **Meet-in-the** [LYD+18]. **Meet-in-the-Middle** [LJ17, LJ18, LSG+19, LWKP12, LWPF12, LWKP14, vV16]. **meeting** [Hof16, JK19]. **Meets** [RBHP15, BSR+14, MZA+13, PYH+18, SM13]. **Mega** [WYL18]. **Members** [YWZ+12]. **Membership** [FHR14]. **MemGuard** [CZ14]. **MemJam** [MWES19]. **Memorial** [Ano11c]. **Memoriam** [Gre11]. **Memories** [AWSS17, BDGH15, JSA17, RM18, SM18, YNQ15]. **Memory** [AN17, ABSSS19, ASBdS16, Arm19, AMH+16, BKKV10, DLZ16a, DHLAW10, GKM16, GM13a, GPR+19, Gue16, HT13, HF14b, Int19, KMJ18, LGLK17, LY15, MZLS18, PAF18, RC18, Raz19, SB18, TLCF16, WAK+19, XZL+19, ZHZ+19, BDK16, BAB+13, CZ14, CS11, CVG+13, HHAW19, VCK+12, ZWT13, vV16]. **memory-hard** [BDK16]. **Memory-less** [GM13a]. **memoryless** [BJ16]. **Memristor** [MCS+15, WDG19]. **Memristor-Based** [MCS+15]. **MEMS** [SNCK18]. **men** [McK10, McK11, McK12, MPJ+16]. **mercurial** [CSZ+11]. **Merkle** [CCC19, XWZ+18]. **Mesh** [BOB13, LLY+18, YI14, CG12b, HGWY11, HCCC11, LNNH13, WLDB11, XHCH14, YHHS16, ZZCJ14]. **Meshes** [SGS14]. **Meshram** [PLPW13]. **Message** [ABS+12, AEP18, AK14a, DKPW12, HLLC11, Jia17, KHHH14, PSS+13, PPS12b, PA10, RWLL14, BCDN17, BCND19, CJXX19, CMMS17, EEAZ13, Jia16, LC17, LWK+19, YMM13, YJC18]. **Message-Based** [PPS12b]. **Messages** [CCDD19, CCDD20, Gen13, YLL+12, BMM12, BTW15, KPS10, LCM+17, MSL13, SA15]. **Messaging** [BFK+10, EM19, Wu17]. **messy** [BBDL+17]. **Meta** [SKE+18]. **Meta-Heuristics** [SKE+18]. **Metadata** [Gla11]. **Metaheuristic** [HCETPL+12]. **Metamorphic** [ATS15]. **metaphors**

[Mat19]. **metering** [JLC18, URK+19, WMYR16]. **Meters** [DM15]. **Method** [AGW15, Ara13, BBB+16a, CZ19, FLH13, GLLSN12, GMNS15, HXHP17, HHS+15, KTM19, LyWlZZ12, LP12, LD13, LBR12, MU12, OWHS12, PS14, PWS+19b, QF19, SAA15, SY15a, SXH+19, SP15a, SZDL14, USH19, WZXL12, WZCC18, WJ19, XNG+14, XNRG15, YYO15, AGLW16, AIA+18a, ARG19, BLL+19, CSS+13, DJ19, Dra16, FVK17, JS18a, JDV16, Khl18, KHHH14, LLC10, LH11a, LT13, LT14b, LPZJ15, Mar12, MO14, PWW10, SI12, WT13, YWT+12, ZYGT17]. **Methodology** [CBL13, Uto13, ZZKA17]. **Methods** [BCEO19, BCEO20, BKBK14, Kob10, LW12, GMT+12, GSGM16, IAA+19, KSB+17, KVvE18, OO10, TMK11, TPKT12]. **Metric** [YGFL15, DMWS12]. **Metrics** [CVM14, PGLCX17, SSP19, BC18]. **Mexico** [AB10a]. **Meyer** [Bur11, Joh15]. **MIBS** [CWZ19]. **Micali** [Gol19]. **Microarchitectural** [MSI18]. **Microarchitecture** [ZBPF18]. **Microcontroller** [GL12]. **Microcontrollers** [LPO+17]. **Microcosmic** [WWC+11]. **Micropayment** [RM19]. **microphones** [GSAV18]. **Microprocessors** [SK12b]. **Microsoft** [Loe15]. **Mid** [AUMT16, KTM+18]. **Mid-Air** [AUMT16, KTM+18]. **Middle** [LJ17, LJ18, LYD+18, LSG+19, LWKP12, LWPF12, LWKP14, vV16]. **Middlebox** [FGRQ18, FGR+17]. **Middlebox-Based** [FGRQ18]. **Midway** [Car11]. **Might** [Hur16]. **Migration** [SHS12]. **MIKEY** [TW14]. **Military** [HK14b]. **Miller** [Ano16a, Sch15a, LL11, LT14a, Led16, LR15]. **million** [Sch16a]. **Millionaire** [GKS17]. **MILP** [CWZ19]. **MILP-based** [CWZ19]. **MIMETIC** [ACMP19]. **Mind** [SNG+17, WP15]. **mines** [KO16]. **MinHash** [HWZP18]. **MinHash-Based** [HWZP18]. **Miniature** [HWS+19]. **Minimal** [ARH+18b, BDH11, MZ17a, SBM15]. **Minimalism** [DKS12]. **Minimally** [AARJ12]. **Minimization** [AH19]. **Minimizing** [BCD+12]. **Minimum** [KHPP16, DZS+12]. **Mining** [BH15, BJL12, CZ19, DK16a, HDWH12, WZCC18, ZW15, Ano11a, ZMYB17]. **Minus** [NXB13]. **miracles** [MR14c]. **Mirror** [Ano10b]. **Misbehaving** [TAKS10, ATK11]. **Misson** [Ano10a]. **Mistakes** [DHB16]. **misuse** [EBFK13]. **Mitigate** [BKJP12, SS15]. **Mitigating** [EPAG16, HRS16, SNG+17]. **Mitigation** [BRS17, DHT+19, LGR14, DJL+12]. **miTLS** [BFK16]. **MitM** [TY16b]. **mix** [WGJT10]. **mix-networks** [WGJT10]. **Mixed** [ST16]. **ML** [Ksi12]. **mMTC** [CML+18]. **MNC** [IM16]. **Mo** [RBS+17]. **Mobile** [ATC17, BCD+12, CBJY16, FD11, GPT12, GdM16, HvS12, HFS+19, HLKL15, KP12, KKA15, LH12, LBC18, May15, NRZQ15, PH16, RSX18, Sch15b, SFE10, She14, SS15, SAA12b, WPZM16, WT10b, XHH12, XNKG15, XHC+12, YHL16, Yon11, ZLDD12, Aia15, AAZ+16, ALL+18, CLP+13b, CTL12, CCSW11, CWXW16, CTL13, CRS13, uHAN+18, FHH10a, FA14b, FHZW18, FHM+10, GM16a, GH16, HZWW17, HZWZ18, HL14, IAA+19, IB11, Kem11, KKA14, KKM+13, KKM+14, KKG14, KSB+17, KS19, LH11a, LZD+19, LH13, MHL18, ODK+17, OYHSB14, Par12b, SSSA18, SLL+19, SSNS15, hSZZ15, SM19b, SCR19b, SSAF11, SKB+17, SHBC19, TZTC16, TKHK14, WSC14, WT10a, YHHM18, YNX+16, ZLDD14, ZDW+16, ZC12, ACMP19, MBF+13, SLL10]. **mobile-cloud** [KKM+13]. **mobiles** [GCSÁddP11]. **Mobility** [CLH13, LNK+18a, CL11, GH16, LH11b, MYYR13, THA+13, YLS12, ZX11]. **Modal** [HFS+19, BOP14, GBC19, SCFB15]. **Modality** [SSP19]. **Mode**

[HZ11, Mar10c, PAF18, gWpNyY+14, WLC12, ZHZ+19, Fay16]. **Model** [AW15, AW17, App13, BBCL19, Bul18, CT18, CLP13a, CBJX19, Fyo19, GLG12, GJO+13, GJJ15, GJZ17, GGK18, GRRZ18, HZX15, IA15, JHW+19, Kar12, KP17, LYX+19, LK18, LDZ16, LHM+15, LZC+12b, MVVR12, PYM+15, PNRC17, RSD19, SZS14, SPM+13, TBCB15, WWC+11, WWHL12, XZY+12, Yon12, ZYY19, ZHL15, BSBG19, BL11, CK11, CWXW16, CDPLCA16, DFJ+17, HKT11, HTC17, KSU13, KS19, LZT12, LCY+16, LL16b, MGP10, Mas17, MM13, NDSA17, NB13, RR16, SERF12, SK18, WYL13, WZM12a, WZM12b, YC12, YLL+18, ZCL+19, TCL15]. **Model-based** [IA15]. **Model-Predictive** [TBCB15]. **Modeling** [BL16, CJFH14, GBNM11, LTKP16, MKN13, PAS13b, RSX18, ZMYB17, Ana14, CDGC12, MHY+18, VSB+19]. **Modelling** [BDB14, BL15, ACF16, Eng15, Ksi12]. **Models** [BSA+19, CRS+18, KMSM15, OS16, VN16, ABR15, GZHD12, ZCZ+19]. **Modern** [AG18, Fri12, Ful10, OMNER19, RAZS15, She17, KL08, KL15, KAS15, Gre19a]. **Modes** [GLLSN12, PC16, FAA+18, SKK10]. **MODI** [MBF+13]. **Modification** [LLSW16]. **modified** [CTHP13, EEAZ13, MM14b]. **Modular** [Abe12, DDE+19, EZW18, GL19, LNL+19, Bro19, VN17]. **modulation** [KPB17]. **Moduli** [APPVP15, GL19]. **Modulus** [CNT12, LyWlZZ12, SEY14, KFL+10]. **Moment** [PTK14, GJ13, TPKT12, yWpNyL11]. **Moment-based** [PTK14, TPKT12]. **Moments** [HD19, WLDB11]. **Monaco** [Gil10]. **Money** [RBS+17]. **Monitoring** [BCE+10, ASO14, APK+18, KO16]. **Monitors** [IF16]. **monopolizable** [DJL+12]. **Monte** [CR12, FVK17, GQH17]. **Montréal** [JY14]. **Morphing** [MBC15]. **Morphology** [IA15]. **MorphoSys** [MD12a]. **Morris** [Gre11]. **MORUS** [YWM19]. **most** [Ald11, ESRI14, GIJ+12]. **Motion** [GZH17, JHHN12, LFH18, AP10, SYW17]. **Motions** [HWZZ19]. **Mouse** [ZPW16, HT11]. **mouse-based** [HT11]. **Movement** [ERLM16, GB19, ZPW16]. **Movements** [SRRM18]. **Mozilla** [Loe15]. **MP3** [YWYZ12, YQH12]. **MPC** [GGHR14, RSMA19]. **MPEG** [YYO15]. **MPEG-4** [YYO15]. **MPI** [GM13b]. **MPSS** [SLL10]. **MRAM** [DSB16, PAF18, VDB+16]. **MRAM-Based** [VDB+16]. **MrCrypt** [TLMM13]. **MSP430** [KSH18a, KSH18b]. **MSP430X** [GL12, Seo18]. **MST_1tn3** [SvT10]. **Much** [DL15]. **Muhammad** [ABJ13]. **Multi** [ABL+18, ASS15, BEM16, BBEPT14, BRT12, CWL+14, Chi12, DLGT19, GVW12, GJZ17, HYS11, HC12, HFS+19, HRS16, IG11, JS18a, KTT12, KMO14, LyWSZ10, MZHY15, MEFO12, MLBL12, NGAuHQ16, OKG+12, OSSK16, PSSK19, SK12b, SOR16, SAM+18, TWZ+12, TYM+17, TFS19, Wan14, WOLP15, XWSW16, YWW10, Ye14, YYK+17, ZC13, ZQQ15, ZWY+19, ZLDC15, AVAH18, BOP14, BGG+13, CPPT18, CLP+13b, CFVP16, CJXX19, CG12b, CLHJ13, CW14a, CZ15b, DDY+19, DRN16, DFJ+17, DGL19, FHZW18, GMOGCCC15, GPVCdBRO12, GZS+18, GBC19, HL14, HL11, HCCC11, HLC12, ISC+16, JCHS16, KM11, KLW+17, LXMW12, LXK+14, LZWZ19, LCT+14, LH13, LWY12, Mas17, MML16, QMC17, SCFB15, SLL+19, SCY15, SWW+16, SSS11, TLL12, WDZL13, WSQ+16, WXK+17, XLWZ16, XHM14, YCC16, YQZ+19, YN19, YY13, ZZKA17]. **multi-agent** [GPVCdBRO12]. **multi-authenticated** [HL11]. **Multi-Authority** [ZQQ15, ZWY+19, SLL+19]. **Multi-Biometric** [NGAuHQ16, YYK+17, MLBL12].

Multi-bit [TWZ+12]. **multi-channel** [CPPT18]. **Multi-ciphertext** [KTT12]. **multi-cloud** [CFVP16, SWW+16]. **multi-cloud-server** [KLW+17]. **multi-core** [AVAH18]. **multi-criteria** [ZZKA17]. **multi-crypto-processor** [BGG+13]. **multi-dimensional** [LZWZ19]. **Multi-Directional** [JS18a]. **Multi-Domain** [SAM+18, IG11, QMC17]. **multi-exponentiation** [WSQ+16]. **Multi-Factor** [PSSK19, HC12, CLP+13b, DRN16]. **Multi-fault** [BEM16]. **multi-flow** [LWY12]. **multi-gateway** [WXK+17]. **multi-generation** [CJXX19]. **multi-hop** [LCT+14]. **Multi-instance** [BRT12]. **Multi-Keyword** [CWL+14, XWSW16, OSSK16, DDY+19, GZS+18, LXK+14, YQZ+19]. **multi-lateral** [SCY15]. **multi-layered** [JCHS16]. **Multi-Level** [ZLDC15, MEFO12]. **Multi-linear** [BBEPT14]. **Multi-Modal** [HFS+19, BOP14, GBC19, SCFB15]. **Multi-Party** [ABL+18, KMO14, TYM+17, GVW12, LyWSZ10, DGL19, XLWZ16]. **Multi-Pixel** [YWW10]. **Multi-precision** [SK12b]. **multi-privileged** [WDZL13]. **Multi-Proxy** [ASS15, GJZ17]. **multi-purpose** [KM11]. **Multi-Receiver** [TFS19, Wan14, Chi12]. **Multi-sawtooth** [Ye14]. **Multi-scale** [DLGT19, CG12b]. **multi-scroll** [GMOGCCC15]. **Multi-Secret** [HYS11, ZC13, CW14a, HCCC11, HLC12]. **Multi-Segment** [WOLP15]. **multi-server** [CLHJ13, FHZW18, HL14, ISC+16, LXMW12, LH13, SSS11, TLL12, XHM14, YN19, YY13]. **Multi-Signature** [ASS15]. **multi-stage** [Mas17]. **Multi-target** [HRS16]. **multi-use** [CZ15b]. **Multi-User** [MZHY15, SOR16, OKG+12, MML16]. **multibit** [KPS10]. **Multicast** [CC14, PSM+18, BAL10, DMM10, HGWY11, LTT10, NACLR12]. **Multicore** [RJV+18, SHC+16]. **Multicoupon** [HIDFGPC15]. **multidesignated** [AYSZ14]. **Multidevice** [DPCM16]. **Multidimension** [AJA16]. **Multidimensional** [Her10, WWBC14, HMCK12, JLC18]. **Multifactor** [MMY12, KS19]. **Multigigabit** [PP10b]. **multihop** [ADF12]. **Multikey** [LATV17]. **Multilayer** [NXH+17]. **Multilevel** [FMS12b, HF14a, NSA15, SERF12]. **multilinear** [CJL16]. **Multimedia** [BCG10, NSA15, PMZ13, PZPS15, PYM+15, WLY+15, ZW15, Zha15b, ZSA12, GJJ18, HM10, HWYW14, HPL+19, LLLK10, Wan13, XWZW16, TW14]. **Multimodal** [GM16a, Sar18a, ACMP19, AHM+18, ATI+10, MHT+13]. **MultiObjective** [ZÁC17]. **Multipartite** [HR13]. **Multiparty** [BDOZ11, CCL+13, Fri10b, ADMM16, BHH19, LDDAM12]. **Multipath** [LH12, OPHC16]. **Multiple** [DSB15, Dun12a, FR16, HWZP18, HZSL05, KBL11, LTC+15b, LQD+16, Ma17a, NDC+13, SY14, SC10, SKS+18, Sta12, WWL+14, XNP+18, GJJ18, GZS+18, LWZG10, LTC+15a, LZC17, MN14, PZL+19, RWZ13, TKHK14, YQZ+19, YJC18]. **Multiple-Layered** [WWL+14]. **Multiple-Parameter** [NDC+13]. **Multiple-Precision** [HZSL05, MN14]. **Multiple-Secret** [SC10]. **Multiplication** [ARM15a, AK14b, CMO+16, GL19, HVL17, LNL+19, NR15, SK12b, YTS12, AAT16, DGK18, Khl18, SKH15, SF12]. **Multiplicative** [RMERM19, KHHH14]. **multiplicity** [LH14]. **Multipliers** [ARM15b, GT19]. **Multireceiver** [FHH10b]. **multisecret** [FGMP12]. **multiserver** [CNF+18]. **Multiset** [Faa19, MSTA17]. **Multispectral** [DCM18]. **Multistream** [WXL+17]. **Multithreaded** [TLZ+17]. **Multitone** [GL10]. **Multivariate** [CLND19, DP17, ST16, YT16, YL17, YDH+15]. **multiview** [WSS+19]. **multiwatermarking**

[WL12]. **multiwavelet** [PWW10]. **Munich** [Wat10]. **Music** [NTKG17, Wes16]. **musical** [Ana14]. **Mutt** [Ran14]. **Mutual** [CJP12, GI12, GM14, Kim16, RZ19, SBS+12, WT10b, AATM18, BDM18, BDL+19, CJP15, Cho14, CL11, FHH10a, Far14, GPLZ13, GH16, HDPC13, IB11, JNUH17, JKAU19, KIH19, KP18, KLW+16, LIK+17, LHH+18, MMP19, SPLHCB14, TG17, XXCY19, XMHD13]. **MVP** [CD12]. **mvSERS** [HLKL15]. **My** [GPT14, CMG+18]. **Myself** [ASV+18, Wil11].

N [Ver17]. **Naccache** [ACD18]. **NAF** [TX16]. **Naïve** [ZLW+17]. **Name** [FP19, YCM+13]. **Name-Based** [FP19]. **Named** [LLZ+17]. **Names** [ABJ13, MPJ+16]. **Narayanan** [Ano16a]. **National** [Fid18, ABJ13]. **Natural** [MC19, ZCWS15]. **nature** [KL13]. **Naval** [Don14]. **navigation** [JS18a]. **Navy** [Maf16]. **Nazis** [Hea15]. **NDSS** [Ano10a]. **Near** [Alz19]. **Nearest** [XLP+18, LVRY10, XMY+17, ZZL+19]. **nearest-neighbor** [LVRY10]. **nearly** [PHGR16]. **necessary** [TD14]. **NECPPA** [PZBF18]. **Need** [LNG19, BMDT19, Pec17]. **needs** [And19, Sch12b]. **neglect** [YY17a]. **neglected** [Joh15]. **Negligible** [DF11]. **negotiation** [MMP19]. **Neighbor** [KA18, LVRY10, ZZL+19]. **Neighborhood** [DA10, WXSH19]. **Neighboring** [LSQ11b, LC15]. **Neighbors** [XLP+18]. **neighbour** [XMY+17]. **Neil** [Pea11]. **NeMHIP** [THA+13]. **Nemo** [KD18]. **NEON** [SD18, ZMM+10]. **nested** [FHH10a]. **Net** [LHF12]. **Nets** [PS14]. **Nets-based** [PS14]. **Network** [AA19, Ano10a, Bis17, CWL16, CJ13, CLH13, DRS16, FGRQ18, Hay13, HDWH12, HS18, Kim15, KCC17, LH12, LCLL15, LY16, LTW11, MJGS12, NNAM10, NRZQ15, SGC16, She14, TLW12, VV18, VKPI17, VFV17a, VFV17b, VGA15, VKC15, WP15, WCXZ17, WYL18, YZLC12, YSJL14, AKM+11, AL15, Ang16, Ano11a, AZF+12, CJXX19, CWXW16, CL11, DLK+16, FPBG14, FZZ+12, HZW19, HW19, HFH16, HL19, HWG10, HB13, HKB14, JZS+10, KLN15, KP18, LH11b, LKKL13, MZA+13, MJS13, NDNR13, OF11, PL16, RCW15, Ser12, SCKH10, SKS+18, Sta11b, Tan15b, THA+13, WYL13, WS14, YLS12, ZOSZ17, Ste15b]. **Network-Assisted** [KCC17]. **network-based** [YLS12]. **Network-Coded** [She14]. **Network-on-Chip** [Bis17]. **Networking** [CKHP19, FVB+18, FP19, KYEV+18, LCK11, LLZ+17, ZHL15, Kim11, LCM+17]. **Networks** [ABCL17, ABC+17, BN14, BPSD17, BCG10, BFMT16, CS14, CSH+18, DLGT19, DS11, DF16, FMS12b, GMVV17, HZC+12, HBCC13, HK14b, JWNS19, KHN+11, KH10, LLC11, LL15, LHM+15, LZCK14, LWCJ14, LLZ+12, MKK17, MPM+17, NSA15, NYR+14, OO12, OKG+12, PYM+15, PSM+18, PCPK14, RWLL14, RSX18, SWYP12, She14, SP15b, SS15, Smi11b, SLI11, SZZT18, SAM+18, TCN+17, WXL+17, WLY+15, WZCH19, XHC+12, XHZ+19, YM16, YHSW19, ZC13, ZW15, Zha15b, ZLDD12, ZSA12, Aia15, AQRH+18, ASO14, APK+18, AIB+16, AIKC18, ADF12, BDK11, BNNH19, BBB19, BLAN+16, BBB16b, CDGC12, CLM+12, CML+18, CLSW12, CL11, DSCS12, DK12, DLN13, EEAZ13, FA14b, FMA+18, GLL16, GH16, HKA+18, HGWY11, HZC+14, HZWW17, HCCC11, HCM11, HTC+10, HYF18, JNUH17, JLT+12, JMW+16, KMG17, KM10b, KLC+10, KO16, KLW+16, KDW+17, LLLS13, LC17, LMJC11, LNNH13, LXJ14, LIK+17, LNK+18b, LZZ19b]. **networks** [MSM+18b, NXS10, OPHC16, OSANAM19, PY19, QMW17, RR17, RPG12, SPD+10, SGGCR+16, SA12, SGJ+18, SZMK13, hSZZ15, SKK10, TODQ18, TKHK14, WGJT10, Wan13, WW14, WMC17, WXSH19, WDV18, WXK+17,

XW13, XWDN12, XHCH14, XMHD13, YHHS16, YWY+19, YN19, ZYGT17, ZWQ+11, ZBR11, ZCLL14, ZTZ16, ZLDD14, ZHH+17, ZX11, LNK+18a]. **Neural** [CSH+18, RSX18, SKS+18, YZLC12, EEAZ13, HZW19, HW19, KMG17]. **Neuroscience** [BSR+14, JW14]. **Neutrality** [Kha10]. **Neutrality-Based** [Kha10]. **Neutrosophic** [JS18b]. **Nevada** [IEE10]. **never** [Bai12]. **Newcache** [LWML16]. **Newly** [ABJ13]. **Newman** [And13]. **News** [And19, Edw14, Edw17, Lam13, Sav13a, Sav15, Sav16]. **Next** [HEP+11, MR14a, MJGS12, Aia15, ACD+15]. **Next-Generation** [MR14a]. **NFC** [LY14, Mic16]. **NFSR** [WGD18]. **Niederreiter** [HC17, MVVR12]. **Nievergelt** [Ter11]. **Nine** [Mac12, LYHH14]. **NIST** [MMKP16, ZSH+19]. **NIZK** [Pas13a]. **NIZKCTF** [MBC+18]. **NIZKs** [CKLM13]. **NLM** [OPS14]. **NN** [ZZC17, ZHT16]. **No** [WDDW12, Wu16, KHHH14, MPJ+16]. **'nobody** [Sto12]. **Node** [AA19, ARWK19, NYR+14, OKG+12, GM13b, LC17, PX13, SAAB10]. **Node-Capture** [NYR+14]. **Nodes** [VGA15, ZYL+10]. **Noise** [ASN11, Fyo19, LKBK19, YMA17, BCND19, QLZ19, ZHH+17]. **Noised** [JLS12]. **Noisy** [ASN12, HZW+14]. **Non** [AH19, AS17, AMH+16, BBCL19, BCI+13, CG14a, CPS16, DJL+12, DPW18, EKP+13, FHKP17, FMNV14, GL19, GZXA19, HWS+19, HKB14, JSA17, KTT12, LK18, LLG15, MFH13, MSas12, OOR+14, Pas13a, QJC+18, RM18, RMG18, Svo14, SM18, WgMW12, XZL+19, YNQ15, YKKL12, ZLDD12, AY14a, AM19, BS15, CS11, ESRI14, GIJ+12, Kre13, Lan11, LJY16, LP11, MSas13, SES+16, SXL16, VBC+15, XSWC10, Yan14, Khl18]. **Non-** [AH19]. **Non-abelian** [HWS+19]. **non-adjacent** [Kre13, Khl18]. **non-associative** [BS15]. **Non-Black-Box** [CPS16]. **Non-blind** [HKB14, RMG18]. **Non-Boolean** [AS17]. **non-browser** [GIJ+12]. **non-compliant** [Lan11]. **Non-contextual** [Svo14]. **Non-Coprime** [GL19]. **non-cryptographic** [AY14a, ESRI14]. **non-dynamic** [SES+16]. **Non-interactive** [BCI+13, LK18, Pas13a, LJY16, Yan14]. **Non-interference** [BBCL19]. **Non-intrusive** [MFH13]. **non-iterative** [SXL16]. **Non-Linear** [EKP+13, XSWC10]. **Non-Linear/Linear** [EKP+13]. **Non-malleability** [KTT12]. **Non-Malleable** [DPW18, MSas12, CG14a, FMNV14, OOR+14, Pas13a, LP11, MSas13]. **non-medical** [AM19]. **Non-monopolizable** [DJL+12]. **Non-perfect** [FHKP17]. **Non-Repudiation** [LLG15, VBC+15]. **Non-stationary** [ZLDD12]. **Non-tamper** [WgMW12]. **Non-transferable** [GZXA19]. **Non-uniform** [QJC+18]. **Non-uniformly** [YKKL12]. **Non-Volatile** [AMH+16, JSA17, RM18, SM18, XZL+19, YNQ15, CS11]. **Nonce** [BZD+16b, KMZS19, BH19]. **Nonce-Based** [KMZS19]. **Nonce-disrespecting** [BZD+16b]. **NonInteractive** [KOS16, GOS12, MBC+18]. **Nonlinear** [CCM+15, KW14, LW13a, Lüd12]. **Nonlinearity** [MM17b]. **Nonlinearly** [Fyo19]. **Nonvolatile** [ZHZ+19]. **Norm** [FHS13]. **Normal** [RMERM19, TY16a]. **Normalization** [KLY+12, SJ12]. **Normalized** [YGFL15]. **Norman** [Low12]. **Note** [HYS11, Gal13, GR19b, Hwa11, Lim11]. **nothing** [Cer15]. **Notifications** [LBC18]. **Notions** [KFOS12, SNJ11, Sar12, BP11]. **Novel** [CLHC12, DCM18, KRDH13, LYY+18a, LYX+19, LLG15, LyWlZZ12, LH11c, MJGS12, MCS+15, SSKL16, SWM+10, SC12, VN16, WHZ12, WZXL12, YZX+12, YLSZ19, Ye14, ZZM17, BOB13, BSBG19, BBB19, CH10, DDFR13, GPLZ13, HZW19,

HCCC11, JXLZ15, LXCM11, LMJC11, LH13, LWW+10, LML+13, MRT10, NZL+15, PZBF18, SAM+19b, SCR19b, SYW17, Sun16, TG17, jT12b, WYL13, WXMZ19, WGZ+12, YWT+12, ZYGT17, ZBR11]. **November** [Kap11, LCK11, Yan11]. **NSA** [ABJ13, Ano13d, AHS13, Bud16, Men13b, Sta13, Tox14]. **NSDG** [SSPC12]. **NTOW** [BS15]. **NTRU** [AA19, CJL16, vV16]. **NTRUEncrypt** [DWZ18, KY10]. **NTRUSign** [Wan10]. **NTT** [MCDB12]. **NTT-Based** [MCDB12]. **Nuclear** [Hel17b]. **Number** [ADI11, BKLS12, CDK+10, DSLB18, DDE+19, Fok12, Ham17, KA18, LTKP16, LCLW17, MFG16, NIS12, NNAM10, Sha10, Shp03, SRAA17, SRK+17, SRK+18, WJ19, CFY+10, CP13, LLP+18, LGKY10, Lim11, MS12a, MRT10, SH11, Sti11, XSWC10, Gre19b]. **Numbering** [MNS11]. **Numbers** [BCGH11, CK18, FM15, MC19, Shp10, AZH11, Ana14, GCH15, SMDS11, SAM+19b, ZOC10]. **numeral** [GKCK11]. **Numerical** [CML16]. **Numerology** [GG11]. **NV** [XZL+19]. **NV-eCryptfs** [XZL+19]. **NVMM** [CS11].

O [CDD13]. **Obfuscated** [LMS16, OWHS12, ZM16]. **Obfuscating** [BGI+10, BGI+12]. **Obfuscation** [ABCL17, AS16, AWSS17, BBC+14, BCKP17, BV18, BCP14b, BR14, CZ15b, DRS16, EMW14, FKOV15, GGHR14, GGH+16a, GGHW17, MH14, ZL19, BBGT12, CFVP16, GGH+16b, OSSK16]. **Obfuscation-Based** [ABCL17]. **Obfuscator** [FDY+19]. **Obfuscators** [PSD15]. **ObfusMem** [AWSS17]. **Object** [BCK17, SSSA18]. **Objects** [LLY+18, ZCWS15, Bel18b, HST14, SMBA10, WW13]. **Oblivious** [DN12, WCL+18, CGH11, GLM+19, RYF+13]. **Obscure** [GLM+19]. **Obscuring** [VGL14]. **obscurity** [Edw14]. **observation** [WHY+12]. **Observations** [CJZ13, HCL+14]. **Obtaining** [BB10]. **Occasion** [Nac12, RNQ16]. **Ocean** [FG19]. **October** [CGB+10, IEE10, IEE11b]. **octonions** [BS15]. **Odd** [Faa19, GJMP15]. **Oded** [Lin17]. **ODIN** [ABCL17]. **odyssey** [Car11]. **OFDM** [CLZ+17]. **Off** [GPT14, GHS14, YMWS11]. **Off-Line** [YMWS11]. **Off-Path** [GHS14]. **offering** [Par12b]. **Offers** [Pau10]. **Office** [Mor12]. **officers** [Maf16]. **Official** [Küp15]. **Offline** [Ano15a, GAS+16, JMG+16, LJW+17, LKAT12, RSM15, XTZ+19, ZZC17]. **Offline/online** [LJW+17]. **Offloading** [JHCC14]. **Offs** [ASBdS16, BS14, GPR+19, SR10]. **offsets** [YQH12]. **Okamoto** [TFS19]. **Old** [Che17, FREP17, GY13]. **On-Chip** [LGLK17, BAB+13]. **On-cloud** [EAAAA19]. **On-demand** [KKJ+16]. **On-Line** [FFL12]. **On-siteDriverID** [SGGCR+16]. **On-the-fly** [PS14]. **One** [BHT18, CBJX19, CMRH17, CPS16, DSMM14, DCAT12, FD11, HP14, HG12, Mat14, NA10a, Par18, PC16, TYM+17, WCXZ17, XW12, XYXYX11, XZLW15, Yon12, BM15, FHH10a, GPLZ13, HRV10, JK19, Kom18, LP11, LW10, LW13b, LML+13, Nor17, RK11, Rus15, SM10a, SPK17, SCBL16, TCS14, ZQWZ10]. **One-Dimensional** [XYXYX11]. **One-Round** [TYM+17, XZLW15, Yon12, XW12, JK19, TCS14]. **One-Sided** [HP14]. **One-Time** [NA10a, DCAT12, Par18, BM15, FHH10a, GPLZ13, LW10, LW13b, LML+13, SPK17]. **One-Time-Password** [FD11]. **One-Way** [BHT18, CBJX19, CPS16, DSMM14, Mat14, WCXZ17, HRV10, Kom18, LP11, RK11, SCBL16]. **Onion** [KZG10]. **Online** [BPSD17, HL19, JMG+16, KSD+17, PSM17, SKGY14, SZZT18, WXY+17, WZCH19, ZHL15, AQRH+18, CCG10, DJ19, HYF18, KVvE18, LKAT12, LJW+17, Mar12, MSM+18b, SKS+18, SYW17, XTZ+19]. **Online/Offline**

[JMG+16, LKAT12, XTZ+19]. **Only** [BB10, YNR12b, YLW13, Bul10a, KMTG12, KA17, Sar11]. **Open** [SS19, ABF+14, MHV15, Pow14, Win17, ZWQ+11]. **open-source** [ABF+14, Pow14]. **OpenCL** [ABDP15]. **Opening** [GDCC16, LZC12a, LLH18, LZC14]. **Openings** [SP13]. **openness** [Bia12]. **OpenPGP** [MBB11]. **OpenStack** [CSL+14]. **Operable** [BCF16]. **Operand** [MSI18]. **Operating** [KMP+11, CDA14, MNNW15]. **Operation** [GLLSN12, JB11, SBS18, ALL+18, Fay16, Lin14a, SKK10, WGZ+12]. **Operational** [CRE+12, CM11, RZ19]. **Operations** [Cil11, SEY14, SZHY19, YWW10, KKJ+16, LZY+16]. **operative** [HFCR13]. **Opportunistic** [AA19]. **Opportunities** [Lau17, Mic10b]. **opportunity** [Sch11]. **Optical** [PRGBSAC19]. **Optimal** [AS17, CK17, DSSDW14, DSSDW17, GJJ18, GM16b, HRB13, PDNH15, PPS12b, QJC+18, TX16, WMU14, Cha13a, CXWT19, DDD14, MCL+19, PPTT15, SVY19]. **Optimality** [MM17a, SDM+12]. **Optimally** [DSMM14, GT12]. **Optimally-Fair** [DSMM14]. **Optimised** [CMO+16]. **Optimising** [EVP10]. **Optimistic** [WSA15, SEXY18]. **Optimization** [AEP18, KD19, WH17, ZÁC17, FLZ+12, GCSÁddP11, KHF10, PTK14, RYF+13, ZSMS18, sCR19a]. **Optimizations** [ZAG19]. **Optimized** [ARH+18a, AYS15, EKB+16, GAB19, HGT15, LNL+19, MBF+13, MBR15, JS18a]. **Optimizing** [DWZ18, ZSMS18]. **Optimum** [Oba11, YFF12]. **Optional** [PC16]. **OR-Proof** [FSX12c]. **Oracle** [CBJX19, GLM+16, HKT11]. **Oracles** [FZT14, FSX12a, GSW+16, XLQ09, XQL11, YS12, YKC+11, YLA+13, ZYM18, LLY15, RG10, SYL13, WWYY11, YFK+12]. **ORAM** [RM18]. **Order** [DCA18, FYD+19, KS12, LFX+18, LWKP12, PRC12, YKKL12, ZDL12, ZSW+12, ZBPF18, AKY13, BKR19, LW13a, LCY+16, LWKP14, gWpNyY+14, YL11]. **Order-Hiding** [DCA18]. **Order-Preserving** [KS12, YKKL12, YL11]. **order-revealing** [BKR19]. **ordered** [AAL19]. **organisational** [Smi15a]. **Organization** [RSGG15]. **Orientated** [TJZF12]. **Oriented** [NNAM10, Rog16, RSGG15, WW12, NML19, SK18, WZM12a, WZM12b]. **Origins** [SJZG19]. **Orthogonal** [FYD+19, tWmC12, XNP+18]. **Oscillator** [YKBS10]. **OSN** [BCF16, BBDP16]. **OSNs** [SZZT18, PZPS15]. **other** [BDK16, Smi15b]. **OTS** [Hül13]. **outliers** [Sch12b]. **Outlive** [Hur16]. **Output** [DK16b, GST12, NIS15, NR12, Uto13, PBCC14]. **Outputs** [SNCK18]. **Outright** [ABJ13]. **outsource** [XTZ+19]. **Outsourceable** [QZZ18]. **Outsourced** [FRS+16, LLC+15, LHL+18, LQD+16, PD14, RDZ+16, XLP+18, YMA17, YMC+17, DFJ+10, FS18, HKA19, HMCK12, LCL+15, LCY+16, LJW+17, QZDJ16, YSQM19, ZML17, ZSW+18b]. **Outsourcing** [DR12, LJLC12, LHL+14, LLSL19, LJWY18, OSNZ19, LWW+19, SKB+17, SWW+16, XMY+17]. **outwitted** [Car11, Fag17]. **Over-the-Air** [VOGB18, ZXW+18]. **Overcoming** [BKKV10, DY13]. **Overhead** [AWSS17, Bai10, CCW+10, GHS12, RM18, ZJ11, CXWT19, RS17c]. **Overheads** [TSB18]. **Overlay** [CHS15, MJS13]. **Oversight** [Bla16]. **overview** [AA14, BDP+12]. **own** [Kum10, NA14, Zha15a]. **owner** [ZZC17]. **owners** [GZS+18, YQZ+19]. **Ownership** [AMSPL19, FMTR12, RR11, HWYW14, KH18]. **Oxford** [Che11, Wes16]. **Ozarow** [ADG16].

P [GT19, ZSH+19]. **P-256** [ZSH+19]. **P2P** [dCCSM+12]. **P3** [HK18]. **PACE** [HKK19]. **Package** [DB16]. **Packet**

[FGR+17, FGRQ18, JTZ+16, VKPI17, XHC+12, AASSAA18, MV16b, PJ18, PX13, XWDN12]. **Packet-Level** [FGRQ18]. **Packets** [Bis17]. **Pads** [NA10a, BM15]. **paGAN** [NSX+18]. **Paging** [TSB18]. **Paillier** [Gal13, SZHY19]. **Paillier-based** [Gal13]. **Pair** [Lin15, SLXX16]. **Pairing** [Bon12, CMRH17, CWWL12, CST+17, KZG10, KHPP16, LKBK19, LSQL18a, LGPRH14, Men13a, MST18, WZCH19, YTS12, YY17b, ZM18, BP18, Con12, FK19, KSH18a, KSH18b, LL16a, LR15, MSGCDPSS18, YT11b, ZY17b]. **Pairing-Based** [Bon12, CMRH17, CST+17, KZG10, LGPRH14, Men13a, MST18, YTS12, Con12, KSH18a, KSH18b, MSGCDPSS18]. **Pairing-Free** [LSQL18a, WZCH19, YY17b, ZM18, LL16a, YT11b]. **pairing-friendly** [BP18, FK19]. **Pairings** [ASS15, Hof15, IL15, LT14a, HWB10, HWB12, QYWX16, RS15, UK18]. **pairs** [MCP15]. **Pairwise** [DL12, YM16]. **Palash** [Kat13]. **Palm** [IEE11b]. **palmprint** [LZ11, QLZ19, SC19b]. **Pan** [GOPB12]. **Pan-European** [GOPB12]. **Panacea** [Hor19]. **Paper** [TSH17, Ano16i, SK14, YFK+12]. **Papers** [Ano16b, Ano16c, Ano16j, CWZL13, LW13a, XW13, DDS12, Dan12, MV12, BYL10, JY14, LH10a, vDKS11]. **Paradigm** [ABGR13, BSV12, Mau12, MP12, TAP19, Gop19, KKM11, WQZ+13]. **Parallel** [AAH+19, App14, ARM15b, BBM15, BTK15, CGB+10, GP17, HW19, LY16, LB13, MCDB12, MC11, NdMMW16, NR15, SMDS11, YE12, ZGL+18b, CSTR16, FLYL16a, FLYL16b, MRT10, RG10, RWZ13, WWYZ11]. **parallelism** [SD17]. **Parameter** [NDC+13, MZ15]. **parameterized** [GR19b]. **Parameters** [HRB13, MBF18, LZKX19]. **parametric** [Bul10a]. **Paranoia** [Cor14a]. **Parity** [Raz19]. **Park** [Ano11c, Bri11, Cop06, Cop10a, Cop10b, GMT+12, GW14, McK10, McK11, McK12, Pea11, Sim10, Smi11a, Smi15b, Smi15a, Bai12]. **Parks** [Col17]. **Parsing** [MHW+19]. **Part** [BLM18, VM14, BD15, Bar16a, BBCL19]. **Partial** [CBJX19, DLV16, GFBF12, HFW+19, LG12, SGS14, TK19, WDDW12, Bax14, EBAÇ17]. **Partial-Shape** [HFW+19]. **Partially** [KB10, XZP+19]. **participants** [KSU13, WTT12]. **participating** [CH10]. **Participation** [Abb12]. **particle** [ZSMS18]. **Parties** [YCR16, Küp13]. **Partitioned** [FVS17]. **Partitioning** [ADR18, DMD18, SHC+16, AP11]. **partitioning-based** [SHC+16]. **partitions** [CFG+17]. **Party** [ABL+18, Ash14, BBKL19, HL10b, HP14, JR13, KOS16, KMO14, NSMS14, OSH16, QZL+16b, TYM+17, ZM16, DGL19, ED19, FIO15, GVW12, HPC12, HWB10, HWB12, LyWSZ10, LML+13, OSANAM19, Tso13, TKHK14, XLWZ16, XCL13, YC12, YZZ+14, ZZC15, GHKL11]. **Pascal** [LGP19]. **Passau** [GLIC10]. **PASSERINE** [Saa12a]. **Passion** [Hof15]. **Passive** [DHB16, GSC17, HQY+18, SB17, BM13, uHAN+18, LWLW11, MK12a]. **Passport** [HKK19, LZJX10]. **Passports** [LG10]. **Password** [ASBdS16, BRT12, CLY14, CJW+19, DM15, DGMT19, FVS17, FD11, GAS+16, HKK19, HCL+14, LLD19, Lop15a, Lop15b, RS11, SD12, Shi11, WgMW12, YLW13, YRT+16, ZXH16, ABK13, AIKC18, BDK16, CTL12, DSCS12, Eng15, FA14a, FIO15, FHV16, GPLZ13, HCC10, IOV+18, KMTG12, LWS10, LNKL13, LZZ19b, MM12, MvO11, MZL+19, MCRB19, Par18, SVY19, Tso13, TKHK14, WZM12a, WZM12b, YC12, ZXWA18]. **Password-Authenticated** [HCL+14, YRT+16, ZXH16, LWS10, WZM12a, WZM12b]. **Password-Based** [BRT12, CLY14, FVS17, WgMW12, DGMT19, DSCS12, FA14a, FIO15, IOV+18, TKHK14]. **Password-Only**

[YLW13, KMTG12]. **Passwords** [BHvOS15, LCL17b, BCV12, Che13, GPLZ13]. **Past** [Bon12]. **Patching** [BCFK15]. **Patchwork** [NXH+17, XNG+14]. **Patchwork-Based** [NXH+17, XNG+14]. **Path** [DMS+16, GHS14, NLLJ12, ZW15, Ham12, RYF+13]. **Patient** [ZLDC15, ZVG16]. **Patient-Centric** [ZVG16]. **Pattern** [DCA18, PSSK19, YTF+18, ATKH+17, DA18, uHAN+18, KPS10, OSSK16, PPTT15]. **Pattern-Based** [PSSK19]. **Patterns** [Ano16f, BPSD17, TSH17, WOLP15, BDK11, BCGS16, LHM13, NML19, SPK17]. **PAWN** [JNUH17]. **Pay** [EAAAA19, CCSW11]. **Pay-per-use** [EAAAA19]. **pay-TV** [CCSW11]. **Payload** [CHHW12, AZH11, JNUH17, JKAU19]. **payload-based** [JNUH17, JKAU19]. **Payment** [DG15, SYC+17, CHH+13, SYW17]. **Payments** [RBHP15, MPJ+16]. **PC** [YE12]. **PC-Based** [YE12]. **PCIe** [IBM13b]. **PCM** [LY15]. **PCM-based** [LY15]. **PCPs** [MX13]. **PCs** [GPT14, GPP+16]. **PDF** [Con17]. **PDGC** [CGB+10]. **PEA** [ZGL+18b]. **Peaks** [TC10]. **pearl** [Rus15]. **Pecherskii** [Kuz11]. **PEDCKS** [XLC+19]. **peer** [LLY06, NCCG13, ZWY+13]. **peer-to-peer** [NCCG13, ZWY+13]. **PEKS** [ZQD16]. **People** [Söd13]. **Per-File** [DMS+16]. **Per-session** [DGMT19]. **Perceived** [CSW12]. **perceptions** [GMMJ11]. **Perceptual** [DCM18, MK11]. **PEREA** [ATK11]. **Perfect** [Pas13a, Sch13, CZ15a, FHKP17, LLC10, Lew10, XW12]. **perfectly** [ADG16]. **Performance** [Alo12, AW15, AW17, AB15, ABPP16, BM18, CRS+18, CGL+12, CCG10, DHT+19, DLK+16, DGFH18, DBPS12, EGG+12, ESRI14, FPBG14, GLG12, GPR+19, GCS+13, HKL+14, KHRG19, KAK18, LCK11, LGP19, LPO+17, MHC12, SKV12, SSP19, TPKT12, WRP70, WDDW12, Xio12, YWF18, ZLDD12, vRDHSP17, ABDP15, AHG18, BGE+18, CLB19, FHLD19, FLYL16a, GCVR17, HURU11, JLC18, MCL+19, MMS+17a, MS13c, PÁBC+19, ZLDD14]. **performances** [CBL10]. **Performed** [Ano17d]. **Perils** [FMA+19]. **perimeter** [Cal13]. **periodic** [KPS10]. **periodical** [CLSW12]. **Permission** [VN16]. **Permutation** [LJ16, NIS15, Bar19, GMSW14, LK14]. **Permutation-Based** [NIS15, LK14]. **Permutations** [ARH+18b, ARH+18a, BKLS12, Faa19, Mat14]. **Persistent** [CSYY18, SXH+19, TYK+12, ALL+18, KV19b, PKA15]. **person** [PN10]. **person-centric** [PN10]. **Personal** [ESS15, LYZ+13, Rao17, RSD19, ALL+18, BC18, MvO11, SVY19, WHZ+19, LHL15]. **Personalized** [FRS+16, VGA19, AT10]. **Personnel** [YTH17]. **Perspective** [ADH19, KMY18, MSM18a, RSGG15, Sir16, Wag16, Bon19, JW14, Suc12, ZWT13]. **Perspectives** [PMG+19b, Sen17, SPM+13]. **Perturbation** [XZZ18]. **Pervasive** [ACAT+15, BCG+12b, FHM+10, YD17, JSM+18, PKA15, SCY15, Tan12b, YWK+10a]. **Petri** [PS14]. **PGP** [RAZS15]. **Pharmaceutical** [YSF+18]. **Phase** [KMJ18, LD13, NBZP17, ZWT13, ZHH+17]. **Phase-change** [ZWT13]. **Phase-Encrypted** [NBZP17]. **philosophy** [Mat19]. **phishing** [HAK19]. **Phone** [Mur16, SAA12b, KRM+10, LTC+15a]. **photo** [CLY18, OF12]. **photo-to-caricature** [CLY18]. **Photographic** [YSC+15]. **Photographs** [TCMLN19]. **Photorealistic** [MHW+19]. **photos** [Pow14]. **Phrases** [WBC+10]. **Physical** [BEB+18, CK17, GPT14, GPP+16, HQY+18, HHH+13, PRGBSAC19, SMOP15, GHD19, HQY+16, HZWZ18, KSA16, QMC17, VCK+12, WW13, YD17, ZHH+17]. **Physical-Layer** [HQY+18, HQY+16, ZHH+17]. **physicist** [Dya19]. **physio** [HT11].

physio-behavioral [HT11]. **Pi** [MR10, EHKSS19]. **Pi-Calculus** [MR10]. **PICADOR** [BGP+17]. **PICARO** [PRC12]. **Piccolo** [IS12, Jeo13]. **picture** [SM13]. **piecewise** [GMOGCCC15]. **PIN** [MDAB10, NSBM17]. **Pinch** [DGP10]. **PinMe** [MDMJ17]. **Pinning** [AV18]. **Pinocchio** [PHGR16]. **pioneer** [Men13b]. **Pioneers** [Orm16]. **Pipeline** [PPG19]. **Pipeline-integrity** [PPG19]. **Pipelineable** [BDMLN16]. **Pipelined** [GT19, HZ11, KB10, NdMMW16]. **Pipher** [Mei10]. **pitfall** [ZHL+11]. **Pixel** [DA10, LLL17a, LyWlZZ12, Lin15, LTC+15b, SSA13, YWW10, LHM13]. **Pixel-Value** [YWW10]. **Pixel-Wise** [SSA13]. **Pixels** [PDMR12, Tan12a]. **PKC** [FBM12, Ma17a]. **PKC-Based** [Ma17a]. **PKCS#11** [CFL13]. **PKDS** [HLCL11, HLYS14]. **PKE** [HTC+15]. **PKE-AET** [HTC+15]. **PKI** [Dav11, JLX+19, YI17, YCR16]. **PKIs** [KGO10]. **PKZIP** [JLH12]. **Plagiarism** [TLZ+17]. **plain** [LW13b]. **Plaintext** [BM15, JLH12, MBP19, MSas12, MSas13]. **Plaintexts** [YKKL12]. **plan** [SJ19]. **Plane** [GGK18, YLL+12]. **Planning** [LLY+18]. **Plantlet** [MSS17]. **Platform** [MBC+18, YE12, YK16, ABF+14, NCCG13, Nor17]. **Platforms** [HTZR12, LMS16, SOG15, GBC19, LT14b, vdWEG18]. **Plausibility** [KD12b]. **Play** [But17, Shp10, VGN14]. **Player** [GJO+13]. **Pless** [Ayu12]. **plugged** [PP11]. **plus** [WXMZ19]. **PN** [XNP+18]. **POB** [SRAA17]. **Podolsky** [HR13]. **Point** [AK14b, EZW18, MH14, ZC13, ZM16, AKM+15, Khl18]. **Point-To-Point** [ZC13]. **Point/Polynomial** [ZM16]. **Pointers** [Lop12, PYM+13]. **Points** [SC12, Chm10, Lim11]. **Poisoning** [HLAZ15, YCM+13]. **PokeEMU** [YM18]. **Polar** [YWNW15, PGLL10, YKK18]. **Polarities** [XNP+18]. **policies** [Cra11, CFG+17, DFJ+10, LHM14]. **Policy** [CHH+19, FVJ19, GZZ+13, GSW+16, HSMY12, MK12b, PV17, RVH+16, Rao17, SVG16, XMLC13, XWLJ16, ZHW15, FSGW11, FS18, HZL18, HKHK13, JSMG18a, JSMG18b, LFWS15, LJWY18, LDZW19, QRW+18, TY16a, WZC16, XWS17, XZP+19, LAL+15, LHL15]. **Policy-Carrying** [PV17]. **policy-hidden** [XZP+19]. **Polish** [Kap11]. **pollution** [NDNR13, OF11]. **Poly** [AS17]. **Poly-Size** [AS17]. **Polylog** [GHS12]. **Polynomial** [Ano11b, BGJT14, DWZ18, DDE+19, ERRMG15, FS15, HVL17, NKWF14, WSSO12, ZM16, AAT16, BGJT13, Bul10a, GR19b, Bul10a]. **Polynomial-Advantage** [WSSO12]. **Polynomials** [CMLRHS13, GM16b, SS12b, TWZ11, DGK18, LPdS10]. **Pont** [Kap11]. **Popular** [Wal18]. **Population** [Gla11]. **port** [AZH11, KSB+17]. **port-knocking** [KSB+17]. **Portability** [CHS15, ABDP15]. **Portable** [Bee17, LA10]. **Portals** [CLB19]. **Portfolio** [KD19]. **posed** [Lan10]. **Position** [BCF+14, CGMO14, MS17, SOR16, VJH+18, YXA+18]. **Position-Based** [BCF+14, CGMO14]. **Positioning** [HK18]. **Positive** [CKHP19]. **Possession** [EKB+16, YJSL18, ZPXX17, SYY+17]. **possibility** [BGI+10, BGI+12]. **Possible** [BF12, Fra15, Orm16]. **Post** [KG19, LLK18, MKAA17, NDR+19, SD18, Y+17, ZCC15, YDH+15, Sen10, Yan11]. **Post-challenge** [ZCC15]. **Post-Quantum** [LLK18, MKAA17, NDR+19, SD18, Y+17, YDH+15, Sen10, Yan11]. **postcamera** [Lin14a]. **Postfix** [HEK18]. **Postquantum** [Ano16b, Ano16c, BLM17a, BLM17b, BLM18, Lau17, MGG+19, YZCT17]. **Posts** [AIF+19]. **posture** [SHBC19]. **Potential** [Cil11, VS16, ZW15]. **Power** [ARP12, AS16, CS10, CKHP19, HHR11, LKBK19, MMP14, MD12b, MAS16, MS17, SAJL16, SDM+12, TQL+14, WT10b, YAM+15, ZH15, ZJ11, And19, FAA+18,

FMC19, LGKY10, LKAT12, MMF15, QGGL13, RITF+11, SJ19]. **Power-Positive** [CKHP19]. **POWER7** [BAB+13]. **Powered** [SFE10]. **PowerEN** [HKL+14]. **Powerful** [IF16]. **pp** [Joh10, Sch15a, CGCS12]. **PP-1** [CGCS12]. **PPA** [LZD+19]. **PPFM** [MS17]. **PPM** [XHC+12]. **PQCrypto** [Sen10, Yan11]. **Practical** [AB17, ATK11, AG18, BHH+15, BSA+19, BDH11, CLSW12, CGH17, Cra11, DZY10, EA12, FPS12, FLYL16a, FSK10, GDLL18, HSA14, HPO+15, HKR+18, LW16, LJWY18, MBF18, OPS14, PPTT15, PDJ+19, RWZ13, TSH17, WHLH16, XW13, YZLC12, ZYD10, ZLW+17, AMS+10, BS13a, BZD+16b, CFN+14, Con17, JSK+16, LFZ+17, PHGR16, WR15, YJC18, YKGK13, ZSW+18a]. **practicality** [NDNR13, Zha15a]. **Practice** [ABD+15, BNMH17, CDFZ16, FBM12, PWVT12, Rog16, RBHP15, RST15a, RST15b, SN10, SAKM16, ABD+19, NS10, Sta11b]. **Practice-Oriented** [Rog16]. **practices** [Tay19]. **Practitioners** [PP10a]. **Pre** [ARM15a, TX16, YWL+17, YHHS16]. **Pre-Computation** [ARM15a, TX16]. **pre-distribution** [YHHS16]. **Pre-image** [YWL+17]. **Preaveraging** [GWM16]. **precaution** [AQRH+18]. **Precise** [MC19, HYF18]. **Precision** [EZW18, HZSL05, MN14, SK12b]. **Precomputation** [GKM16, Bon19]. **Predicate** [KHPP16, LNWZ19, NMS14, YKNS12, ZYT13, FH13, HFT16]. **Predictability** [DK16b]. **prediction** [CSS+13]. **Predictive** [TBCB15]. **Predictors** [EPAG16]. **Predistribution** [YM16]. **Preface** [Ano19c, YYW19]. **Prefetch** [FDY+19]. **Prefetch-Obfuscator** [FDY+19]. **Preimage** [Li10]. **Preseeding** [Ran16]. **Presence** [BDPS12]. **Present** [Bon12, LJ16, WH17]. **PRESENT-like** [LJ16]. **Preservation** [BCP14a, LLG15, VSV15, YJSL18, Yon11, FZZ+12, LVRY10, TMLS12]. **preserve** [BAG12]. **preserved** [SWW+17]. **Preserving** [ABCL17, BJL16, BHKN13, BJL12, CWL+14, CRE+12, EKOS19, GZZ+13, HSMY12, HLLC11, HXC+11, HHMK14, HK18, KKK+18a, KLK+19, KS12, LMGC17, LNXY15, LSY+16, LQD+16, MHW+19, MJS+19, Mor19b, MTM18, NSMS14, OFMR16, PR12, PD14, PSS+13, PPRT12, Pet12, RVH+16, RSR+19, RHLK18, RBHP15, SZDL14, SZQ+17, SZZT18, VFFHF19, WPZM16, WZCC18, YKKL12, ZDL12, ZHW+16, ZM16, ZHW15, ZLDC15, ZTL15, AKM+11, AKKY17, APMCR13, AIB+16, ALL+18, BC16, BBDP16, BLV17, CCMB19, DZC16, FH13, FMA+18, GH15, GH16, GAI+18, GA11, HSH11, HLS18, HKA19, IC17, IOV+18, JKL+16, JLC18, JLX+19, KH18, LHL+18, LZD+19, LSQ15, LW13a, LCDP15, LCY+16, LLG19, MGB19, OSP+19, PZBF18, QLZ19, RR16, SYY+17, SMS+16, Tan12b, TSH14, WLZ+16, WZC16, WMC17, Wan18b, YYK+19, YMM13, YNX+16, YL11, ZWY+13, ZOSZ17]. **Press** [Ano15b, Ano17b]. **Press/Elsevier** [Ano15b]. **Prevent** [HLAZ15, PYM+13, JSK+16]. **Preventing** [DCAT12, HAK19, MT17, CAM19, SKEG14, WS12]. **Prevention** [CWL16, VS11]. **price** [Ano13b]. **Primality** [Cou12b]. **PRIME** [ACK+10, GM13a]. **Primes** [Gre19b]. **Primitive** [App15, MCS+15]. **Primitives** [BSJ15, CK17, EAA12, HLN+10, SP15b, ABDP15, BSR+14, Gor10, WSL+19]. **PRINCE** [BCG+12b]. **Princeton** [Ano17b]. **Principal** [BKLS18]. **Principle** [KYEV+18, WW14]. **Principles** [DK02, DK07, DK15, FSK10, KL08, Fri10a, Sta11b]. **print** [KPS10, PKS18]. **print-cam** [PKS18]. **print-scan** [KPS10]. **Printer** [EMW14, FNP+15]. **Prior** [NA10a]. **Priority** [LMS16, Bia12]. **Prisoners** [Mac14, GSGM16, Keb15]. **PriSTE** [CXX+19]. **Privacy** [AKM+11, AKKY17,

ABCL17, Ano19a, ABR13, ALL+18, ACM12, ABHC+16, BN14, BCF16, BA18, BJL16, BLV17, BS13b, BJL12, CVM14, CWL+14, CDFS10, DCA19, DTE17, ESS15, EKOS19, FGR+17, Fei19, Fri13, GZZ+13, HSMY12, HBCC13, HXHP17, HXC+11, HK18, IEE15, JN12, JLX+19, JP19, KM10b, KKK+18a, KLK+19, KCC17, Kni17, KS12, KH18, LMGC17, LSBN14, LLG15, LCDP15, LNXY15, LSY+16, LQD+16, MYYR13, MJS+19, MV18, Mor19b, MTM18, NSMS14, PD14, PSS+13, PPRT12, PZPS15, PSD15, Pet12, PH16, RVH+16, RSR+19, RCP+18, RWLL14, Roh19, RHLK18, RBHP15, SS17a, SG12, Set16, SZDL14, SZZT18, SOF12, TMLS12, TMGP13, VKK+19, VFFHF19, WPZM16, WMC17, WZCC18, WMYR16, YJSL18, YYK+17, YMM13, Yon11, YY17a, ZHW+16, ZM16, ZOSZ17, ZXL19, ZHW15, ZLDC15, ZHL15, ZTL15, vdG17, ARL13, APMCR13, AIA+18b, ACK+10, BGE+18].

privacy [BC16, BBDP16, BP11, BAG12, CD16a, CXX+19, CCMB19, CDF+10, DZC16, DZS+12, FH13, FMA+18, FZZ+12, GAI+18, HSH11, HKA19, HPL+19, IC17, IOV+18, JKL+16, JLC18, Kam16, KKGK10, KM14, LYW+10, LWYM16, LHL+18, LZD+19, LSQ15, MZA+13, MGP10, MGB19, NJB19, OSP+19, PX13, PZBF18, QLZ19, RR16, Sav16, Sch11, SSNS15, SLZ12, SYY+17, SCY15, SWW+17, SMS+16, Tan12b, URK+19, WLZ+16, WZC16, Wan18b, WWW17, WS13, YYS+16, YXA+18, YYK+19, YQOL17, YNX+16, ZWY+13, ZDHZ18, ZZY+19].

Privacy-assured [WMYR16].

Privacy-Aware [BCF16, ARL13, MGP10, ZDHZ18].

Privacy-Based [BS13b].

Privacy-Enhanced [DTE17, ACK+10, YQOL17].

Privacy-Friendly [KCC17, ACM12].

Privacy-Preservation [LLG15].

privacy-preserved [SWW+17].

Privacy-Preserving [ABCL17, BJL16, BJL12, CWL+14, EKOS19, GZZ+13, HSMY12, KKK+18a, LMGC17, LNXY15, LSY+16, LQD+16, MJS+19, Mor19b, MTM18, NSMS14, PD14, PPRT12, Pet12, RVH+16, RSR+19, RHLK18, RBHP15, SZDL14, SZZT18, VFFHF19, WPZM16, WZCC18, ZHW+16, ZM16, ZHW15, ZLDC15, ZTL15, AKM+11, AKKY17, ALL+18, JLX+19, KH18, LCDP15, WMC17, ZOSZ17, APMCR13, BC16, BBDP16, BLV17, CCMB19, DZC16, FMA+18, GAI+18, HSH11, HKA19, JLC18, LHL+18, LZD+19, LSQ15, MGB19, PZBF18, QLZ19, RR16, SYY+17, SMS+16, Tan12b, WZC16, Wan18b, YYK+19, ZWY+13].

Privacy-Protecting [Roh19, CD16a].

Privacy-supporting [ABR13].

Private [BBKL19, BKLS18, GM13a, Jia14a, LSQX19, MV19, QZL+16b, RCBK19, RDK19, Sia12, WCL+18, Yek10, ZMW16, ZXYL16, BHH19, DDL15, HJM+11, HYF18, IK15, WR15, vV16].

Private-Key [MV19].

private-keys [IK15].

Privilege [Cha13c, QRW+18].

Privileged [Din10, WDZL13].

Prize [Ten18].

PRNG [DK16b].

Proactive [SLL10, WMYR16].

Proactively [OPHC16].

Probabilistic [BFG+14, Rao10, WP17, KSU13].

Probabilistically [IW14].

probabilities [Kam19].

Probability [DF11, HLC16].

Probability-based [HLC16].

probable [Sav13b].

Probably [MMS17b].

probe [Edw14].

Problem [CLL16, GR19a, GKS17, HWS+19, Hor19, LLGJ16, NA10b, TKM12, Bar19, Mes15, MR14c, Pec17, RH10, VM14].

Problems [AH19, Dun12a, Fra15, GTT11, KRDH13, KPC+11, Lal14, RBS+17, CJL16, SK14, TPL16, WS14].

Procedure [CS14, OŚ12].

Proceedings [LCK11, TT18, Wat10, ACM10, ACM11, Abe10, BC11, CGB+10, Che11, Cra12, Dun12b, FBM12, Gil10, GG10, HWG10, IEE10, IEE11b, IEE13, LW11a, LTW11, Pie10, PJ12, Rab10,

Sen10, Yan10, Yan11, AB10a, BL10, GLIC10, IEE11a, Kia11, Lin14b, Sah13]. **process** [CWZL13]. **Processing** [JGP+18, SAKM16, SZHY19, TKMZ13, VKPI17, BKV13, HWK+15, MS13b, PRZB12, WS14]. **Processor** [BH15, CLF+17, HKL+14, LB13, MBR15, RJV+18, YT16, YS15, ABDP15, BAB+13, BGG+13, KSH18b, SSPL+13, Tar10, KSH18a]. **Processors** [GFBF12, Gue16, SJLK18, RYF+13]. **PrODACT** [FDY+19]. **producer** [CHL19]. **Product** [ADM12, CCM+15, OT12, YKNS12, And19, Cha13b, DDM17, YI17]. **productivity** [Tay19]. **Products** [LMG+18, RS10]. **Professional** [HGOZ19, STC11]. **Profiled** [Bar16b]. **Profiles** [BCF16]. **Profiling** [DP12]. **Profit** [APPVP15]. **Program** [MZ17b, TLZ+17, Wal18, CLZ+17, DMD18, GGH+16b, MFH13]. **Programmability** [HP18]. **Programmable** [ABPP16, CLF+17, Ang16, EAB+19]. **Programming** [Bee17, BCEM15, LLSL19, SY14, ASVE13, GLMS18, HLV10]. **Programs** [BGI+10, BGI+12, CL16]. **Progress** [AB10a, BL10, BC11, GG10]. **Progressive** [SA16a]. **Prohibition** [Hor19]. **Project** [SPG+19, Ano14c, Rom11, ACK+10, SS10c, Wil18]. **Project-Based** [SPG+19]. **projective** [CZ15a]. **Prominent** [ABJ13]. **Promise** [Pau10, PWVT12]. **promised** [HS11]. **Proof** [BDSG+13, Bla12, CZLC12a, CZLC14, FSX12c, GKG19, Kuz11, LYY+18a, LYX+19, LW12, LYY+16, NLY15, SR14, Ste15a, ZZM17, HLS18, Mon13, PPTT15, VBC+15, WHJ17, ZCZQ19]. **Proof-of-Concept** [GKG19]. **Proof-of-Knowledge** [LYY+16]. **Proofs** [BBD19, BGK12, BCGK12, BGB12, BCI+13, BDSG+13, CZLC12b, DKL+19, IW14, LNZ+13, Mau12, NTY12, RB17, Sav13b, WPZM16, AGHP14, KPP16, KKK+16, Li10]. **Propagate** [GWM16]. **Propagation** [SKS+18, WWC+11, YZLC12, CWXW16]. **Properties** [CCK12, CCCK16, DQFL12, FY11, HIJ+19, JS18b, JR13, KU12, Sch12c, CLCZ10, SAM+19b, WT13]. **Property** [HIJ+19, HEC+12, PR12, Rja12, YWM19, Bar19]. **Proportions** [Ber12]. **Propose** [BFMT16]. **proposed** [Bax14, HWB10]. **Protect** [CTC+15, CKHP19, YMC+17, BVIB12, CDF+10, dCCSM+12]. **Protected** [BDGH15, SG15, AGBR19]. **Protecting** [BCP14a, GSFT16, LLPY19, Mar10b, RCP+18, Roh19, SCY15, Wat14b, ATKH+17, CD16a, CXX+19, CDA14, FLYL16b]. **Protection** [AIM+19, BCHC19, CDD13, DCA19, EAAAA19, GST12, GPR+19, HXHP17, JP19, Lop12, NGAuHQ16, NDG+17, RR11, SEY14, SJ12, ZWWW17, AIA+18b, ATI+10, HLYS14, HPL+19, KKM+13, Ksi12, LZ11, LWYM16, LVRY10, RS17c, TLL13, YWT+12, ZZY+19]. **protection-key** [HLYS14]. **Protocol** [ADSH18, BL12, BC14, BCM+15, BNNH19, BSSV12, BFK16, BBKL19, CC14, CCM17, DCA19, FLH13, FHLOJRH18, FMTR12, Fra16, GI12, HvS12, HC12, HL10a, HCPLSB12, HCETPL+12, HKL+12, JTZ+16, JHW+19, KMZS19, KMO14, LNZ+13, LCCJ13, LNXY15, LYY+16, MBC15, MR10, PSS+13, SBS+12, SGC16, SS15, TWNC18, TYK+12, WT10b, XJR+17, YS12, YWF18, YLSZ19, YWZ+12, ZXZ+11, ZSY19, AATM18, AMKC19, AQRH+18, AKG13, AIB+16, AIKC18, AN15, BDM18, BGAD12, CSD18, CCSW11, CCMB19, CJP15, DLK+16, DDL15, EA12, EBAÇ17, EM19, FA14b, FIO15, GMSW14, GH15, Gop19, GLM+11, HPC12, HWB12, HL14, IC17, IOV+18, JK19, JKL+16, JXLZ15, Kim11, KO16, LLLS13, LDDAM12, LKKL13, LWS10, LXMW12, LZD+19, LEW19, LY14, LML+13, NCL13, NLYZ12, NML19, OHJ10, Par12b, SSSA18, SPLHCB14, SB17, SGJ+18, SWW+16, SSS11, SSPL+13, TG17, THA+13]. **protocol** [Tso13, TKHK14, VS11, WMC17, WYZ+17, Wan18b, WCFW18, WDZ19,

WDV18, WZM12a, WZM12b, WLS14, WMYR16, WT10a, WTT12, WCCH18, XCL13, XHM14, YC12, YZZ+14, YYK+19, YMM13, YN19, ZWQ+11, ZTZ16, ZYC+17, ZXW+18, ZXWA18, ZG10, ZZC15, ZX11, BOB13, CJP12, LFGCGCRP14, Ste15b].
Protocols [ADH19, AP13, ABHC+16, BMP12, BSBB19, CCK12, CCCK16, CMRH17, CCF17, CZCD18, CCD15, CCDD19, CCDD20, Con10, CM11, EFGT18, Fra15, GRL12, GM11, GLR10, HLLC11, HL10b, KL08, KOS16, LY16, LWL+17, MV19, MS16, MT12, Mur16, NYR+14, NSMS14, PS14, RB17, SBS+12, SBS18, Sch12c, SOF12, TM12, Xio12, YRT+16, Aia15, Ano13d, AKS19, ACC+13, ACM12, BJ10a, BKR19, CML+18, CR10, CLCZ10, DGJN14, FTV+10, GBNM11, GLR13, HSH11, HLS18, Ham12, HDPC13, HZWW17, HST14, HWB10, KJN+16, KSU13, Ksi12, KKK+16, LDC13, LLY06, LKKL13, MN10, NR11, Nos11, Nos14, SD10, WMU14, YSL+10].
Prototype [Bar16b]. **Prototyping** [KPC+16]. **Provable** [BKLS12, CC14, EKB+16, Rog16, YJSL18, YMSH10, YYW19, ZX11, ZPXX17, FA14a, HRS13, LHH11, SYWX19, WB12, XCL13].
Provably [BCGAPM12, BCM12, BCM13, BCGS16, BHJP14, FHH10a, GLL+18, IL15, LH11b, LDZ+14, LL16b, ODK+17, PSM17, RMZW19, WMS+12, XLQ09, XJWW13, YC12, YZZ+14, ZG10, ABBD13, FIO15, KCS+18, KLW+17, LZD+19, LWK+19, SM10c, SXL16, XWXC14].
provably-secure [LZD+19]. **prove** [DGJN14]. **Proven** [BWS19]. **provenance** [CDL18, HK17, JKA+18, ZOSZ17]. **Provide** [Ano15a]. **Provided** [KS12]. **Providence** [Sch15a]. **provider** [DFJ+17]. **providers** [AKK+17, BK12b, YWK10b]. **Providing** [DLN13, Gol19, HTZR12, KS18a, KS18b, MLM16]. **Proving** [Sar14, AGH+17].
Proximity [IW14, ARL13, Alp18].
proximity-based [ARL13]. **Proxy** [ASS15, DHT+19, GSW+16, GJJ15, GJZ17, GZXA19, HGWY11, HZX15, KP12, LK18, LSLW15, LAL+15, LSC12, MLO17, MBC15, NAL17, Pet12, PRSV17, SYL13, WY10, WYML16, XJW+16, YMWS11, YCM+13, BGP+17, CLH+16, FSGW11, FSGW12, GH12, HWDL16, HYF18, KKM+14, LCT+14, LFWS15, LL16a, LL16b, QMW17, SLZ12, SKB+17, Tia15, WHY+12, Wan18a, WXMZ19, WLS14, XWXC14, YZCT17, ZLY10, ZDW+16]. **Proxy-invisible** [SYL13]. **Ps** [HDWH12]. **Pseudo** [NN12, XYXYX11, Zaj19, CFY+10, KM10a, MG15, PLSvdLE10, SH11, SM11, XSWC10, Zim10].
Pseudo-Random [XYXYX11, Zaj19, CFY+10, KM10a, MG15, PLSvdLE10, SH11, SM11, XSWC10, Zim10].
pseudonym [XHM14]. **Pseudonymous** [BDFK12]. **Pseudoprime** [DW12].
Pseudorandom [AS17, BCGH11, BK12a, Kla10, MFG16, CP13, GCH15, HRV10].
Pseudorandomness [Shp03, Sha10].
PSMPA [ZLDC15]. **PSO** [TLL13].
PSPACE [JJUW10]. **PTAS** [JLX+19].
Public [Alz19, Ano11b, ABW10, BVS+13, BB14, BM18, BKLS12, BKKV10, CT18, CLP13a, Che15, CLND19, CNT12, Cou12b, EKOS19, FBM12, GKS17, HEP+11, HWS+19, HTC+15, HLH19, IM14, JLT+12, JWNS19, KFOS12, LYX+19, LLSW16, LG10, LHA+12a, LPdS10, LSQL18b, LZC14, LCDP15, LLH18, MZHY15, MMP14, MTY11, Mat14, MPRS12, Muf16, NTY12, Orm16, PDNH15, RSBGN12, RVS+18, RW12, RBHP15, SGG18, Saa12a, Sch19a, SK12b, Seo18, SWM+10, Sia12, SC12, SLY+16, SGP+17, SvT10, TMC15, TT12, WP17, WZ15, WWHL12, Wil18, WSQ+16, XNKG15, XXZ12, Xio12, XJWW13, YL17, YKC+11, YFK+12, YMC+17, ZCZQ19, ZY17a, AA14, ATKH+17, AK14a, AVAH18, BS15, BZD16a, BSW12, CFG+17, Dur15, HZWW17, Hod19, HL14, HYL+19, HTC17,

LSBN14, LLY15, LFWS15, LH13, LL16a, LLG19, RPSL10, SES+16, SY15b, SLXX16, VN17, XWK+17, XLC+19, YT11b, YYS+16, YN19, ZZ11]. **public** [ZCC15, ZCL+19, ZY17b, FBM12]. **Public-Coin** [CLP13a, Mat14]. **Public-Key** [BVS+13, BKKV10, GKS17, KFOS12, LLH18, MMP14, MPRS12, NTY12, Orm16, PDNH15, RSBGN12, RW12, SK12b, Seo18, SWM+10, Sia12, XNKG15, XJWW13, YKC+11, YFK+12, ZY17a, ABW10, IM14, LPdS10, LZC14, AVAH18, BZD16a, BSW12, HYL+19, LLG19, RPSL10, SES+16, VN17, ZCC15, ZY17b]. **Publication** [MMKP16, ZTL15]. **Publicly** [NMP+13, SZQ+17, YNR12a]. **Publish** [BGP+17, DLZ+16b, OFMR16, PRSV17, SLI11, TKR14, YSM14]. **Publish/Subscribe** [DLZ+16b, OFMR16, PRSV17, TKR14, YSM14]. **published** [MYYR13]. **Publisher** [Ful10, Mur10]. **Publishing** [VSV15, LLL+17b]. **Puebla** [AB10a]. **PUF** [BDM18, BDL+19, CCKM16, CCM17, DSB16, KPKS12, KLM+12, MVV12, SRK+17, SRK+18, VDB+16]. **PUF-Based** [CCM17, KPKS12, MVV12, BDM18, BDL+19]. **Pufferfish** [KM14]. **PUFKY** [MVV12]. **PUFs** [HRK18, IGR+16, LZZ+19a, USH19]. **Pulse** [OMPSPL+19, MRRT17]. **pulse-response** [MRRT17]. **punctured** [MG15]. **puppet** [Lac15]. **Purpose** [GFBF12, Gue16, ABDP15, DGJN14, KM11]. **purposes** [ABB+14, KNTU13]. **Push** [LBC18, Wu17]. **Pushdown** [CCD15]. **Pushing** [FHV16]. **Putting** [MMKP16]. **Puzzle** [IBM13a]. **Puzzles** [RSBGN12, dCCSM+12, dCCSB+16]. **Py** [DGlS12]. **Py-Family** [DGlS12]. **pyramid** [MHT+13].

Q&A [AHN+18, Hof15, Hof16]. **Q3** [Ven14]. **Qaeda** [Mac14, Keb15]. **QARMA** [LJ18]. **QARMA-64** [LJ18]. **QARMA-64/128** [LJ18]. **QC** [JY14, GAB19, HC17, VOG15]. **QC-MDPC** [HC17]. **QIM** [LJK17]. **QIP** [JJUW10]. **QoP** [Ksi12]. **QoP-ML** [Ksi12]. **QoS** [BCG10]. **QS** [AZPC14, HDWH12]. **Quadratic** [KRDH13, SEY14, YDH+15]. **Quadraticity** [MS12b]. **Quality** [BSA+19, CSW12, Ksi12, NN12, YCM+13, SS11, WZLW13, WKH11]. **Quantifying** [CBRZ19, GZSW19]. **Quantitative** [BL15, BL16, MLBL12, MV16b, HM10]. **Quantization** [SSA13]. **Quantization-Based** [SSA13]. **quantizer** [Pau19]. **Quantum** [And19, Ano15d, Ano16d, Ano17d, Ano17e, BB14, Ber14, Bro12, BCF+14, CK17, Che17, CCL+13, Feh10, FKS+13, Fol16, JEA+15, JL18, Kar12, KP10, KG19, LLK18, LM14, LHA+16, MS16, MSU13, Mos18, MKAA17, NNA10, NA10b, NDR+19, QCX18, RK11, RSM15, RS18, Sas18, Sti11, SD18, TKM12, Unr15, WCL+18, Y+17, ZWS+18, AP18, ABB+14, BJ16, BCDN17, BCND19, CML16, Dya19, Edw17, FRT13, GJMP15, IM14, JSK+16, Kam19, KKK+16, LLP+18, Lam13, LyWSZ10, LCW+16, Lüd12, QD16, SPD+10, SK14, Svo14, VV19, WMU14, YDH+15, vDKS11, Sen10, Yan11]. **Quantum-Oblivious-Key-Transfer-Based** [WCL+18]. **Quasi** [BGJT14, OWHS12, OTD10, BGJT13]. **Quasi-Chirp** [OWHS12]. **Quasi-Cyclic** [OTD10]. **Quasi-Polynomial** [BGJT14, BGJT13]. **Quaternion** [HD19, YWNW15, yWpWyYpN13]. **Queries** [GYW+19, HLW12, LHKR10, PBC+17, ZZQ+19, BKV13, CHX13, DFJ+17, GLM+19, HMCK12, PRZB12, TKMZ13, WL19]. **Query** [DCA18, GA11, PCDG14, WCL+18, XLP+18, AAH+19, AZPC14, BS13a, BKR19, CH11, ED17, HWK+15, JCHS16, JLC18, LXK+14, LZWZ19, LW13a, XMY+17, YQOL17, ZZC17, ZHT16, ZZL+19]. **Query-preserving** [GA11]. **Quest** [Fox13].

Question [TWNC18, Cha13b]. **Quisquater** [Nac12]. **Quorum** [Kar12].

R [Gre19a, BS12, DB16, LVV11, LJF19, PP10b, WYW14]. **R3579X** [BDK11]. **Rabbit** [FSWF11]. **Rabin** [Chi13a]. **Radar** [Laz15]. **Radial** [HD19, pNyWyY+14, CG12b]. **Radio** [KAHKB17, CJP12, CJP15, EA12, Kim11, NLYZ12, RPG12]. **radio-frequency** [CJP12, CJP15]. **Radix** [ARM15a, GKCK11]. **Radix-8** [ARM15a]. **RAGuard** [ZHS+19]. **Rail** [HF14b]. **raised** [LJY16]. **Raising** [YWW10]. **RAKAPOSHI** [IOM12]. **RAM** [RYF+13]. **Ramanujan** [KK10]. **Ramifications** [ALR13]. **rampant** [Ano13b]. **Random** [Ana14, CBJX19, CDK+10, DSLB18, EAA+16, FZT14, FSX12a, GSW+16, Gre17, KS15, LTKP16, LPL15, MH16, NIS12, NNAM10, NN12, SC10, SRK+17, SRK+18, TM18, WS12, XYXYX11, XLQ09, XQL11, YM16, YS12, YKC+11, YFK+12, YLA+13, ZYM18, Ara13, CFY+10, CT11b, GPLZ13, GLM+16, GLW13, HKT11, KM10a, LGKY10, LLY15, LHM13, MRT10, MG15, PLSvdLE10, QLZ19, RG10, SMDS11, SYL13, SH11, SM11, Shy15, Sti11, TBK+18, WWYY11, XSWC10, ZOC10, Zaj19, ZPZ+16, Zim10]. **Random-Grid** [KS15]. **Randomization** [DDE+19, Gas13]. **Randomized** [ARP12, CATB19, GDLL18, GT12, HHR11, SR12b, BWA13]. **Randomness** [AY14a, Ana14, ABF12, ACM+17, BWLA16, DB16, HKK19, KMZS19, MSI10, MS16, CHH+13, DTZZ12, FRT13, RY10, TC11]. **Range** [DCA18, BKR19, HMCK12, JCHS16, LZWZ19]. **range-query** [BKR19]. **Rank** [SS10b, FES10]. **Ranked** [CWL+14, XWSW16, DDY+19, GZS+18, LXK+14, NJB19, YQZ+19]. **Ranking** [ZDL12, AT10]. **ransom** [Ano13b]. **Ransomware** [MPA+18, YY17a]. **Rapid** [KPC+16]. **rare** [Sch11]. **RASP** [AZPC14]. **RASP-QS** [AZPC14]. **Rate** [LJK17, PPS12b, PCPK14]. **Rates** [ZHS10]. **Ratio** [FHKP17]. **Rational** [CK18, HR19, KU14, KOTY17, NS12, TWZ11, ZC13]. **Rationality** [GLR10, GLR13]. **RBAC** [VN16]. **RC4** [GCS+13, Loe15, Ree15, RS14, Sar14]. **RC4-like** [RS14]. **RCB** [ABC+18]. **Re** [ABR12, Bre18, GSW+16, GZXA19, KKA15, LK18, LSLW15, LSC12, LBR12, MLO17, NAL17, Pau19, Pet12, PRSV17, WY10, XJW+16, ABC+18, BGP+17, CFZ+10, CLH+16, CZ15b, DEL19, FSGW11, FSGW12, FXP12, GH12, GJ19, HWDL16, HYF18, KKM+14, LMJC11, LCT+14, LFWS15, LL16a, Par18, SYL13, SLZ12, SKB+17, Tia15, WGJT10, WHY+12, Wan18a, WXMZ19, WLS14, XXX15, YZCT17, ZDW+16, LAL+15]. **Re-authentication** [LBR12, FXP12, LMJC11]. **Re-creating** [Bre18, Pau19]. **Re-Encryption** [GSW+16, KKA15, LSLW15, MLO17, NAL17, PRSV17, XJW+16, ABR12, GZXA19, LSC12, Pet12, WY10, BGP+17, CFZ+10, CLH+16, CZ15b, FSGW11, FSGW12, GH12, HWDL16, HYF18, KKM+14, LCT+14, LFWS15, LL16a, SYL13, SLZ12, SKB+17, WGJT10, WHY+12, Wan18a, WXMZ19, WLS14, XXX15, YZCT17, ZDW+16, LAL+15]. **re-enrollment** [DEL19]. **re-keying** [ABC+18, GJ19]. **re-registration** [Par18]. **Re-Signature** [LK18]. **re-signatures** [Tia15]. **Reachability** [SVG16]. **Reactive** [JR13]. **Read** [LLPY19, Sto12]. **Read/Write** [LLPY19]. **Reader** [JLZ18]. **Reader/Router** [JLZ18]. **readers** [HDPC13]. **readership** [Bai12]. **Readily** [HGOZ19]. **Ready** [GOPB12, Mos18]. **Real** [AEP18, Ano16j, Ano17d, ABL+18, AYS15, Bel15, BFK16, BPS16, BNA15, Cer14, CC14, GSC17, JWJ+17, LBC18, MK11, PNRC17, RHLK18, SK14, Tom16, Tur18, WLZL12, YE12, AY14a, Cou12a, Kus13, NSX+18].

Real-Time [AEP18, AYS15, GSC17, JWJ+17, PNRC17, RHLK18, WLZL12, YE12, CC14, MK11, AY14a, NSX+18]. **Real-valued** [BNA15]. **Real-World** [Ano16j, Ano17d, ABL+18, BFK16, BPS16, Tom16]. **realistic** [FRT13, GH15]. **Realities** [Eya17]. **Realization** [KRM+10, MNM+16, SvT10]. **Realizing** [WKB16, ZPWY12]. **realm** [OYHSB14]. **Reasoning** [TSH14]. **reboot** [And19]. **Rebound** [KNR10, Sas12]. **recall** [LTC+15a]. **recall-based** [LTC+15a]. **Receive** [Orm16]. **Receiver** [TFS19, Wan14, Chi12]. **recently** [GSGM16]. **Recipes** [DGP10]. **Recipient** [ZYZ+19]. **reciprocity** [ZYGY18]. **Reco** [EHKSS19]. **Reco-Pi** [EHKSS19]. **Recoding** [Abb12, TMK11]. **Recognition** [AQD12, BCTPL16, BJCHA17, DM19, IA15, LGM+16, MR14b, BAG12, uHAN+18, HURU11]. **Recommendation** [BD15, Bar16a, Gir15, KKK+18a, NIS12, TBK+18]. **Recommender** [CZ19]. **Reconciling** [SSNS15]. **Reconfigurable** [ADSH18, HG12, HLN+10, LZZ+19a, MLCH10, NdMMW16, PP10b, PG12, SRK+17, SRK+18, ZLQ15, EHKSS19, MD12a]. **Reconfiguration** [GFBF12, VMV15]. **Reconstructing** [Fyo19]. **Reconstruction** [CCM+15, KOTY17, HH15, IK15]. **Record** [AP13, RCBK19, RMTA18, CLC+19, Con12, LH14]. **recording** [CAM19]. **Records** [LYZ+13, Rao17, RCBK19, ZVG16, AIM+19, LT14b, LHL15]. **Recoverable** [JLS12]. **Recovery** [Bro17, DSSDW14, DSSDW17, LYY+18b, LLD19, MPA+18, NRZQ15, QJC+18, SAA15, SSA13, WZ15, BM15, CHHW12, CGH17, MBP19, PX13]. **Rectangle** [CWZ19, WLC12]. **Recurrent** [CSH+18, Pud12]. **Recursive** [LXLY12, WH18]. **ReDCrypt** [RHLK18]. **Redesigning** [VFV17a, VFV17b]. **redistributed** [LXCM11]. **Reduced** [BW12, DWWZ12, KNR10, LWZ12, LJF16, LJ18, LYD+18, LSG+19, LWPF12, vV16, AKY13, AY14b, DMSD18, LFW+16]. **Reduced-Round** [LWZ12, LJ18, LYD+18, LSG+19, AY14b, LFW+16]. **Reducing** [TSB18]. **Reduction** [ABR12, FYD+19, LCLW17, LSC+15, YMA17]. **Reductions** [BHKN13, BCG19, DW12]. **Redundancy** [FGRQ18]. **Reference** [LLHS12, IM14]. **refined** [KGP+19]. **Refinement** [BCEM15]. **Refinements** [LL11]. **reflections** [Hai17, OF12]. **Reflexive** [SRRM18]. **refractive** [PHN+12]. **Refresh** [LSC+15]. **Regaining** [WBA17]. **Region** [CCFM12, HZW+14, KS15, WK18, FHV16, LWLW11, WW13]. **region-duplication** [LWLW11]. **Regions** [AQD12, AKK+17]. **Register** [TLCF16, LWK11]. **Registers** [Gla11, LLGJ16, ZH15]. **registration** [Par18, ISC+16]. **Regression** [JHW+19]. **Regular** [ARM15a, CQX18, Wat12, WR15]. **regular-expression** [WR15]. **regulating** [DFJ+10]. **regulatory** [BP10]. **regulatory-compliant** [BP10]. **Rehash** [FREP17]. **Reinforcing** [WXY+17]. **Rejewski** [Kap13]. **Rekeying** [DT13, QLL17, CLSW12, DS11]. **Rekeying-Aware** [QLL17]. **Related** [AH19, CWZ19, Cil11, CMA14, DGlS12, HLLG18, Pud12, WLC12, DMSD18, GLMS18, GMDR19, MNP12]. **Related-Key** [CWZ19, CMA14, HLLG18, Pud12, WLC12, DGlS12, GLMS18]. **Relational** [HPC10, RP12, WP17, BFG+14, BL11, GA11, JK13, PYP10]. **Relations** [BP11, FHS13, HLR11, WGD18, KGO10, LLM+19]. **Relationship** [CZ19]. **Release** [KFOS12, RSBGN12, Unr15, WSS12]. **released** [GSGM16]. **Relevance** [Sim15a]. **Reliability** [HSUS11, CZ14, DM09]. **Reliable** [AMKA17, ADG16, Bai10, CC14, KMJ18, MGJ19, MKASJ18, WKB16, ACD+15, CL16, SM19a, ZC12]. **Relying** [TAKS10]. **remain** [HFH16]. **Remainder** [HF14a]. **remapping** [PSJ+13]. **Remarks**

[SSU12]. **remediations** [ACC+13]. **Remote** [BCE+10, BWS19, CS14, FYMY15, LZCK14, MHL18, Sar12, SYY+17, VMV15, WgMdZlZ12, WgMW12, CHS11, HU15, HL12, IB11, KKG14, LH10c, LNM+11, LNKL13, LWK+18, LH13, MCL+19, MM12, Sar10a, WQZ+13, YSL+10, YN19, PZL+19]. **remotely** [Wat14b, YHHM18]. **Removing** [HKHK13]. **renewable** [URK+19]. **Renewal** [MMY12]. **renewed** [GPLZ13]. **rental** [LY14]. **Reordering** [Alo12]. **repackaging** [CBJY16]. **Repair** [SEK+19]. **Repairing** [BCM12, BCM13]. **Repeatedly** [TAKS10, ATK11]. **repeater** [SPD+10]. **replacement** [LHM+10]. **Replay** [SRRM18, ZLQ15]. **Replay-Resistant** [SRRM18]. **replicas** [PZL+19]. **Report** [jCPB+12, MT17, Zor12, GMT+12]. **reports** [RPG12]. **Repositories** [Ano15a]. **repository** [RSM15]. **Representation** [AGW15, BFMT16, GM16b, MMBS19, MC19, MH16, MHT+13]. **Representation-Based** [AGW15]. **Representatives** [Bla16]. **reproducible** [CW12a]. **Reproducing** [Söd13]. **Repudiation** [LLG15, VBC+15]. **Repurposing** [GY13]. **Reputation** [BL15, LHM+15, PAS13b, MGP10]. **Reputation-Based** [PAS13b]. **Request** [KK12, KK13]. **Request-Based-Revealing** [KK12, KK13]. **Requirements** [OS16]. **Requires** [Raz19]. **requiring** [KHHH14]. **ReSC** [YFT18]. **Rescue** [TSH17]. **Research** [BNMH17, BA18, CDFZ16, FREP17, Roh19, SDC+17, SPG+19, WP15, BEB+18, GLIC10, Hof16, Pal15, Ven14]. **Researchers** [Con12, Con17, Edw14, Wal18, Win17]. **Reservation** [LSY+16]. **reset** [RY10]. **Resettable** [CPS16]. **Resettably** [COP+14]. **Resettably-Sound** [COP+14]. **Residue** [CS10]. **Resilience** [CATB19, NTY12, CJW+19, GLL+18, HYL+19]. **Resiliency** [YM16]. **Resilient** [AV12, BKKV10, FPS12, HD19, HHS18, JP19, LTZY16, LD13, NYR+14, Pan14, PSD15, XZY+12, YZ12, YNR12b, YCZY12, ZYT13, ZWTM15, ZZM17, ZYZ+19, ZYY19, ZY17a, ZYM18, ZYH+19, ABC+18, CAM19, CQX18, DLZ16a, GV14a, KPS10, Kom18, LLG19, MMSD13, SCBL16, SGP+17, Wan18a, YSJL14, YKC+12, YLZ+16, ZY17b, ZYM19]. **Resistance** [CGCS12, GZSW19, PRC12, WLZL12, ZJ11, DLN13, FIO15, XYML19]. **Resistant** [BK12a, CDK+10, GV14b, HF14b, SRRM18, WHZ12, WgMW12, WH17, YPRI17, FK19, GMRT+15, HCC10, PBCC14, VCK+12, WTT12, YKGK13]. **resisting** [SXL16, Tam15, ZZL+19]. **Resistive** [DSB16, TLCF16]. **Resistivity** [MM17b]. **Resolution** [LHW18]. **Resonance** [LCR+18]. **Resource** [CSH+18, CRS+18, HM19, JMG+16, JWNS19, SZMK13, YNR12a, ZSH+19, AMHJ10, FQZF18, KAS15, LLZ+16, MHV15, Wan13, XWZW16, ZPZ+16]. **Resource-Constrained** [CSH+18, CRS+18, YNR12a, LLZ+16]. **Resource-Constraint** [ZSH+19]. **Resource-efficient** [SZMK13, XWZW16]. **Resources** [Bre18, IM16, Pau19, URK+19]. **Respect** [CATB19]. **Respiratory** [RSCX18]. **Response** [GHS14, HLKL15, ZHW+16, MRRT17]. **Resprinting** [TBCB15]. **REST** [LNG19]. **REST-Security** [LNG19]. **restoration** [WHZ12]. **restricted** [CLH+16]. **result** [ACK+10, ED17]. **Results** [DGlS12, LJF16, Hof16, KGO10, VSB+19]. **Rethinking** [Che13, HU15, LSG16, MV16a, WYZ+17]. **Retrieval** [BBB+16a, BTHJ12, CJP12, DS19, HK14b, JMG+16, JKHeY12, Yek10, ZXZ+11, CJP15, SWW+17]. **Retrieving** [Uto13]. **returned** [War11]. **reusable** [RS17c]. **Reuse** [ABF12]. **Reveal** [Sta13]. **Revealed** [Ano15d]. **Revealing**

[BT12, KK12, BKR19, KK13]. **reverse** [TQL+14]. **reversed** [KYH18]. **Reversibility** [FSX12b, HWYW14]. **Reversible** [CLF11, CSS+13, HHS+15, MM17a, MR16, NC12, AMK12, CT11a, HLC16, JK13, KKK+18b, MM14a, NC13, PWLL13, PC14, SM19a, TK14, WOLS12]. **Reversibly** [MKH+12]. **Review** [Ano15b, Ano16a, Ano17b, AY12a, AY12b, Ayu12, Bai12, Bar12, Cou12b, Dew11, Ful10, Gas13, Gre19a, Gre19b, Hom17, Joh10, Kat13, Keb15, Kob10, Led16, Lop15b, Low12, Mei10, Mou15, Mur10, Nag19, PMG+19b, Sch15a, Sha10, Ter11, Xie12a, Xie12b, IAA+19, JAS+11, MM12, TPKT12]. **Reviewed** [Sch15a]. **Reviews** [SR14]. **Revised** [DDS12, Dan12, MV12, BYL10, JY14, LH10a, vDKS11]. **Revising** [BT12]. **revision** [LT14b]. **Revisited** [CLY14, DKPW12, DKS12, GWWC15, KFOS12, LL11, Lop15a, PKTK12, Sar12, Tan12a, BCL14, DGMT19, DDL15, HKT11, HYWS11, MZ15, TS16a, ZCL+12]. **Revisiting** [GLMS18, RSD19, TLW12, WSA15]. **Reviving** [TLZ+17]. **Revocability** [WHLH16]. **Revocable** [AEHS15, CD16b, LNWZ19, MML16, QZZ18, SE14, SE16, SZS14, SZDL14, TCL15, TT12, Unr15, FLL+14, JCL+18, LDZW19, WLFX17, WTT12]. **Revocation** [AEHS15, LLC+15, LW16, Lop15b, RDZ+16, XMLC13, YWZ+12, ATK11, LJWY18, WLWG11, ZWY+19]. **Revoking** [TAKS10]. **Revolutionized** [Orm16]. **RF** [VJH+18]. **RF-Data** [VJH+18]. **RFID** [CJP15, AATM18, AMKC19, BL12, BSSV12, BM11, CGCGPDMG12, CCF17, CJP12, Cho14, DZS+12, FLL+14, Far14, FMTR12, GMSW14, GI12, GSN+16, GH15, GAI+18, HSH11, HDPC13, HQY+16, HQY+18, HCPLSB12, HCETPL+12, HWZZ19, JLZ18, KNTU13, LNZ+13, LEW19, MO12, Mic16, MK12a, PPH12, PLSvdLE10, QZL+16a, QZL+16b, SBS+12, SPLHCB14, SBS18, SSKL16, TG17, WH17, WCFW18, YFT18]. **RFID-Enabled** [YFT18, QZL+16a, QZL+16b]. **RFID-WSN** [JLZ18]. **RFID/NFC** [Mic16]. **RFIDs** [KOP12]. **RGB** [SNM14, ST16]. **RI** [Sch15a]. **Rich** [CS12, GYW+19]. **Richman** [Xie12a, Xie12b]. **Riddle** [Fox13, KM15, KM16]. **ride** [GBC19]. **ride-sharing** [GBC19]. **Right** [Bro17, RCK17, SR12a, BBG+17, LHA+12b, Sch11]. **Rightful** [RR11]. **Rights** [LVRY10, SC19a, GLL16]. **Rigorous** [DK17]. **Ring** [CZCD18, GHPS12, HKL+12, LYY+16, XY18, YKBS10, YLA+13, ZJ14, ZGCZ18, DZ14, GCH+19, Hwa11, LYW+10]. **Ring-LPN** [HKL+12]. **Ring-LWE** [XY18]. **Rings** [YM16]. **RISC** [ZBPF18]. **rise** [Ano14b, Mat19, Yaa19]. **Risk** [HFS+19, Zha15b, GBC19, NA14, NML19, PKA15, SK18]. **Risk-Aware** [HFS+19]. **risk-based** [GBC19, SK18]. **risk-oriented** [NML19]. **risks** [Lan10, SS17a]. **RKA** [SLY+16]. **RKA-Secure** [SLY+16]. **RLCPS** [DDS12]. **RLWE** [GDLL18, ZXJ+14]. **RLWE-Based** [GDLL18]. **RNG** [CGH17]. **RNGs** [DSSDW14, DSSDW17]. **RNS** [BEM16, CATB19, DBT19, GL19]. **RNTS** [PSOMPL13]. **roaming** [SCKH10, ZX11]. **Robbery** [SPW+16]. **Robert** [Gre11]. **Robot** [NSP+18, AASSAA18]. **Robotic** [SPW+16, VOGB18]. **Robust** [BCGAPM12, BCG12a, CFOR12, DKL+19, GKSB17, HURU11, HZC+12, JSZS12, LSL12b, LSR13, MR16, MU12, MS16, MC11, pNyWyY+14, OCDG11, RR11, RMG18, SJ12, SS17b, SC12, SZZT18, TLCF16, TK14, TTL10, WLDB11, WgMdZlZ12, gWpNyY+14, XNG+14, YWNW15, YHSW19, YYO15, YY13, ZWZ17b, AP10, AIA+18a, BWR12b, CLM+12, CNF+18, EAA+16, GZHD12, HZC+14, HZL18, IOV+18, KMG17, KIH19, LNK+18a, LW10, LZZ19b, PKS18, RS17c, yWpNyL11, yWpWyYpN13, WYZ+17,

WHZ+19, YSL+10, ZHH+17]. **Robustness** [HGT15, YKBS10, AEH17]. **ROCA** [Ano17f]. **Rochefort** [Car11]. **Rock** [Cri16]. **Rock-solid** [Cri16]. **Rodney** [DDS12]. **Rogozin** [Kuz11]. **rogue** [AYSZ14]. **Role** [GB19, PH12b, ZVG16, HPJ+19, ZVH14]. **Role-Based** [ZVG16, ZVH14]. **Ron** [LHA+12b]. **Room** [Smi11b, Pea11]. **Root** [ARH14]. **ROP** [ZHS+19]. **Rosen** [HR13]. **Rosenhain** [CDSLY14]. **Rotation** [MM17b, SBS18, LWLW11]. **Rotational** [KN10, KNR10]. **Roulette** [Ber17]. **Round** [Ber17, jCPB+12, COP+14, CJZ13, DWWZ12, GGHR14, KOTY17, KMO14, LWZ12, LJ17, LJ18, LYD+18, LSG+19, Pan14, TYM+17, XZLW15, Yon12, AY14b, ABM+12, Blo15, DMSD18, JK19, LP11, LFW+16, Sun11, TSLL11, TQL+14, TCS14, XW12]. **Round-Reduced** [DWWZ12, DMSD18]. **Rounds** [GST12, Sas12, LYHH14, MNP12]. **Router** [Bis17, JLZ18, SA15]. **Routing** [ARWK19, Ham12, KZG10, WLY+15, LSG16, LC17]. **Routing-Aware** [ARWK19]. **RSA** [Dun12b, Kia11, Pie10, APPVP15, BBBP13, Bro17, BNST17, CCL+19, CLSW12, Chm10, GM13a, GST13, Her14, Hin10, HLYS14, IK15, KV19a, KHHH14, KFL+10, Lim11, LFK19, MV19, MZ15, Moo12, PT19, PY19, SM10a, SM10b, SLM10, TK19, Win17, XWK+17, YHK+10, YXA+16, sCR19a]. **RSA-1024** [Bro17, Win17]. **RSEL** [FLL+14]. **RST** [LD13]. **rubber** [BSR+14]. **Rule** [KPW13, NC12, TW12, McG11, Nor17, YWYZ12]. **Rule-Based** [TW12]. **rules** [PTRV18]. **Rumor** [FKOV15]. **Run** [CEL+19, IF16]. **Run-Time** [IF16]. **running** [EM19]. **runs** [Ano13b]. **RunStream** [KPC+16]. **Runtime** [BJ10a, CLP+13b]. **Rupture** [KA18]. **Russian** [McG11]. **Ryoan** [HZX+18].

s [Sch15a, MM17b, NN12, RMP10, RMTA18, SS11, WJ19]. **S-Box** [RMTA18, RMP10]. **S-Box/Inverse** [RMTA18]. **S-Boxes** [MM17b, NN12, WJ19, SS11]. **S3BD** [WS19]. **SA** [LHM14]. **SAC** [JY14, MV12]. **SADT** [SM12]. **SAE** [DLK+16]. **SAE/LTE** [DLK+16]. **SAFE** [DSLB18, RQD+15, BL17, Gel13]. **SafeCurves** [BL17]. **Safeguarding** [FGR+17, NML19]. **Safely** [HM12]. **SAFER** [YCL17]. **Safety** [OS16, BMM12, KO16, SAM+19a]. **said** [Pro15]. **Salsa20** [MAS16]. **same** [Con17]. **Samia** [Ano15b]. **SAML** [IMB17]. **sample** [YWL+17]. **Samplers** [HKR+18]. **sampling** [Ana14]. **San** [ACM11, Ano10a, Dun12b, IEE15, Kia11, Lin14b, Pie10]. **Sancus** [NVM+17]. **Sandbox** [HZX+18]. **Sanitizable** [PH12b]. **Sanitizers** [YM19]. **Sanjit** [Kat13]. **Santa** [MSH+16, Rab10]. **Sanya** [LTW11]. **SARFUM** [BCE+10]. **Sarkar** [Kat13]. **SAT** [Che18]. **satphone** [DHW+13]. **SAv5** [CDWM19]. **SAW** [CFH+13]. **sawtooth** [Ye14]. **SC'11** [LCK11]. **SCA** [HF14b, PDJ+19]. **SCA-Resistant** [HF14b]. **SCADFA** [PDJ+19]. **scalability** [YC11]. **Scalable** [BSCTV17, CCT+14, DT13, FMTR12, FS18, HIDFGPC15, KGV16, KAK18, LYZ+13, LLKA19, MBR15, PY19, QZL+16a, WHLH17, ATKH+17, BBTC20, DYZ+15, GM13b, GSN+16, JDV16, MNM+16, WLWG11, WDZL13, WLFX17, YC11, KCR11, KS11]. **Scalar** [ARM15a, NR15, YTS12, SKH15]. **Scale** [DM15, GU13, JKHeY12, LLSL19, LQD+16, And19, CG12b, dCCSB+16, DEL19, DLGT19, FXP12, GSN+16, SR10, VSB+19, ZZKA17, ZVH14]. **Scaling** [PPG19, YM18]. **Scan** [LWK11, DDFR13, KPS10]. **Scan-based** [LWK11]. **scanning** [Ara13]. **Scattering** [KA18]. **Scenarios** [DSB15, HURU11, LWW+19]. **Schedules** [Pud12]. **Scheduling** [DK16a, LJP17, MV16b]. **Schema** [AN12]. **Scheme**

[ARM15a, ADM19, AMSPL19, ASS15, Bai10, BHG12, BS14, BKJP12, BDH11, CMLS15, CLL16, CCW+10, CLHC12, CHHW12, CCZC13, CCC19, CGY+13, CLH13, CSW12, DA10, DS11, DKS12, EAAAA19, FR16, FGM10, GZZ+13, GH11b, GJZ17, GLW12, GZH17, HYS11, HIDFGPC15, HMR12, HWS+19, HLC+18, HHP17, Hül13, HLH19, HP12, HP17, IL15, JSZS12, JLX+19, KU14, KP12, KTT12, KK12, KKA15, KSSY12, KLM+12, LSL12b, LHF12, LTH+15, LTZY16, LH11c, LSQZ17, LSQL18a, LGWY12, LCDP15, LTC+15b, LYY+18b, LGPRH14, MWZ12, MVVR12, MRL+18, MMN12, MSas12, NXB13, NLLJ12, NLY15, Pet12, PDT12, RVH+16, RSD19, RMG18, SK12a, SSKL16, SJ12, SGP+12, SD12, She14, ST16, SWF+19, SP15b, SJWH+17, SSA13, Tan11, TDTD13, TWZ11, WY10, WgMdZlZ12, WgMW12, gWpNyY+14, WLH15, XWSW16, XHC+12, XJWW13, YM16, Yam12, YZX+12, Ye10, Ye14, YTH17, YL17, Y+17, YHK+10, YMWS11].
Scheme [YY17b, ZPM+15, ZZQ+19, ZC13, ZQQ15, ZWZ17b, ZM18, ZLDD12, ZY17a, ZGCZ18, AMN18, ARL13, AHS14, APK+18, AKK+17, AM19, BC16, BDL+19, BD18, BDM+19, BOB13, BBB19, BAL10, BWR12b, BMM12, BZD16a, BBB16b, CCLL11, CLSW12, CNF+18, CH10, CT11a, CLHJ13, CW14a, CTHP13, CBJY16, Cho14, DDY+19, DSCS12, EAA+16, EZ15, FLL+14, Far14, FA14a, FHZW18, FZZ+12, GZHD12, GJ13, GMRT+15, GJJ18, GPLZ13, GLM+16, GH16, GAI+18, GBC19, GTSS19, HKA+18, HZWZ18, HBBRNM+16, HL12, HL11, HCCC11, HLC16, HCC10, Hwa11, IB11, JNUH17, JKAU19, JLT+12, JZS+10, JMW+16, KFE19, KI11, KPP16, KDH15, KK13, KHMB13, KKM+13, KKM+14, KKG14, KCS+18, Kim16, KKK+18b, KIH19, KP18, KLW+16, KLW+17, KDW+17, KKD+18, KWH16, KL11, LXLY12, LLZ+16, LSR13, LYC+10, LH10c, LYW+10, LZJX10, LNM+11, LMJC11, LK12, LLHS12, LNKL13, LDZ+14, LWYM16, LIK+17, LNK+18a].
scheme [LWK+18, LNK+18b, LWK+19, LFWS15, LH13, LHH11, LWL10a, LWLW11, LW13b, LZC14, LZZ19b, LDZW19, LL16a, LL16b, LWY12, MCN+18, MMS17c, MK12a, MGB19, MSas13, NR17, Nos14, NMX15, ODK+17, OSNZ19, OPS14, OSANAM19, PY19, PZBF18, QMC17, QMW17, RPSL10, SGGCR+16, SM11, SYWX19, SCR19b, SMS+16, Tan12b, TY16a, TK14, TD14, TLL13, TLL12, UUN11, WWYZ11, WWYY11, yWpNyL11, WLH13, WDZL13, WLZ+16, WZC16, WLFX17, Wan18a, WXMZ19, WXSH19, WHZ+19, WDKV19, WZ11, WKH11, WOLS12, WXK+17, XHH12, XWZW16, XWXC14, XXX15, XWK+17, XTZ+19, XXCY19, XMHD13, YWJ+19, YC11, YCC16, YHHM18, YSQM19, YWK+10a, YCT15, YXD18, YQOL17, YY13, YMSH10, ZYL+10, ZLY10, ZXJ+14, ZYC+17, ZZY+19, ZWY+19, ZPWY12, ZHH+17, ZY17b, ZFH+18, ZLY+19, ZC12, ZBR11, DT13, LLZ+12].
Schemes [AAUC18, ACA+16, ABF12, BVS+13, BFM12, BBEPT14, BSJ15, CMLRHS13, CZCD18, CLND19, CGL+12, Chu16, Des10b, EFGT18, FHKP17, FFL12, HSM14, HLLG18, HPO+15, LWL10b, LZCK14, MLCH10, MR14b, MMS17b, MBF18, MKRM10, MKASJ18, Oba11, PB12, PDNH15, PH12b, Sch10, Shi11, SKH17, SSU12, VSR12, WGF16, YNR12a, YNR12b, Yek10, YWZ+12, AGHP14, AN15, AHL+12, BKR19, CDGC12, CJXX19, CHS11, CCG10, CTL13, DDD14, DD13, DZ14, FPBG14, FGMP12, FMA+18, HKA19, HWDL16, HM10, KTUI16, LWW+19, LHYZ12, MM12, MBP19, MA17b, NZL+15, QYWX16, SES+16, Sar10a, Sar11, hSZZ15, SAR18b, WW14, YT11b, ZCL+12, ZCLL14, ZT14].
Schneier [Sev16]. **Scholarship** [SPG+19].
Scholarship-for-Service [SPG+19].
School [Hom17]. **Science**

[Bow11, Gas13, IEE10, IEE11b, Nie02, Ter11, Bia12, PHWM10, Pet11]. **scientists** [Goo12]. **Scientometric** [Pal15, Pal16]. **Scope** [Bai12]. **Score** [GCSÁddP11, HW19]. **scoring** [OSSK16]. **scrambler** [Pau19]. **Scrambling** [LLL17a]. **scream** [DMSD18]. **Screen** [SPW+16, CTL12, IAA+19]. **Script** [Rao10, Bax14]. **Scripting** [DSB15]. **scroll** [GMOGCCC15]. **SDB** [HWK+15]. **SDDO** [PL16]. **SDDO-based** [PL16]. **SDH** [GMS11]. **SDIVIP** [YNX+16]. **SDN** [DHT+19, KCC17, YHSW19]. **SDN-Based** [DHT+19, YHSW19]. **SDVS** [Wan10]. **SE** [LLLS13]. **SE-AKA** [LLLS13]. **seals** [MN10]. **Seam** [LC15]. **Seam-Carved** [LC15]. **Search** [AHN+18, CWL+14, Che15, DCA18, FRS+16, GTT11, HWZP18, HCDM12, HLH19, LSQL18b, SOR16, TMC15, WDCL18, WW12, XWSW16, XJWW13, ZXYL16, AHG18, BZD16a, BTK15, BL11, CLH+16, DDY+19, FH13, FSGW12, GZS+18, HKA19, HH16, MRR+18, NJB19, OSSK16, PWS19a, SY15b, WHY+12, WXLY16, WMC17, WS19, XWY+18, XTZ+19, XLC+19, YXD18, YQOL17, YQZ+19, ZZ11, sCR19a]. **Searchable** [BHJP14, CWWL12, CLW16, CGKO11, FJHJ12, HKA19, PBC+17, PCY+17, XNKG15, ZZQ+19, CLC+19, CXWT19, DLZ16a, DRD11, HQZH14, HK19, HTC17, JCHS16, LZC17, LLL+18, MML16, RPSL10, WXLY16, WCCH18, YZCT17]. **Searches** [Sia12, WR15]. **searching** [GPN+12]. **Seattle** [LCK11, KCR11]. **Seberry** [AHS14]. **SEC** [PA10]. **SecLAP** [AMKC19]. **SECO** [DYZ+15]. **Second** [AKY13, ABM+12, Gre19b, LGP19, SNG+17]. **Secondary** [RS11]. **Secrecy** [ABD+15, BKST18, BCND19, KZG10, TSH14, Yon12, ABD+19, ATKH+17, Bia12, RCW15, TCS14]. **Secrecy-preserving** [TSH14]. **Secret** [ASN11, ASN12, ADH17, Ayu12, Bai10, BBB+16a, BFM12, BBEPT14, BP06, BCDN17, BCND19, Bri11, BLU+15, CCM+15, CFOR12, CCL+13, DR12, Dew11, EM12, EA11, FHKP17, FR16, Fok12, HYS11, HL10a, Has16, HZX+18, JLS12, KU14, KS18b, KOTY17, KK12, KK13, KSSY12, KS15, LKBK19, LHF12, LPL15, Lin15, LCCJ13, LTC+15b, LJ16, LLKA19, Men13b, MNS11, NS12, Oba11, PCPK14, QS18, SLL10, SC10, SS10c, SSU12, Sti15, TLW12, TWZ11, WKB16, WGF16, Wil18, XZY+12, XJR+17, YFF12, YWZ+12, ZC13, Ald11, AIM+19, ADG16, AKK+17, Ara13, AGBR19, BJ16, BEB+18, Bud16, Cha13c, CT11b, CW14a, CLZ+17, DD13, EEAZ13, EZ15, FHH10a, GEAHR11, GJMP15, GLW13, HF14a, HH15, Hea15, HBBRNM+16, HCCC11, HLC12, KFE19, KI11, KTUI16, LXLY12, LH11a, LT13, LyWSZ10, LHYZ12, LEW19, Mas17, McK10, McK11, McK12]. **secret** [MBB11, OO10, Par18, Pea11, Pet11, QD16, Rus15, SB17, SA12, SAR18b, SM10c, TQL+14, TD14, UUN11, UUN13, WYL13, WZ11, WS12, WOLS12, Wu17, XW13, YC11, YCC16, YSC16, ZCL+12, ZZ15, ZPWY12, LSC+15, Bai12]. **secret-key** [BJ16]. **Secret-Sharing** [BBEPT14]. **Secretion** [RSCX18]. **Secretocracy** [Ber16c]. **Secrets** [BT12, CG14b, DLWW11, FMS12a, Kob10, Man13, Bha16, Cop06, Cop10b, GGH+16b, Gup15, HRS13, LDC13, Smi11a, Ano17b]. **SECRYPT** [Ano19a]. **Section** [BdD19]. **Secure** [ADM19, AMKC19, AAL19, Alz19, ACA+16, ADMM16, ABPP16, ABL+18, AARJ12, Ash14, AMH+16, BVS+13, BWLA16, BCGH11, BCG12a, BCQ+13, BWA13, BJL12, BHJP14, BF11, Bru12, BDH11, BCEM15, CFOR12, CCM17, CZF12, CZLC14, Che15, CDWM19, CMA14, CDLW19, DM18, DL15, DMS+16, DG15, DYZ+15, DLZ+16b, Edw17, EAB+19, FLH13, FYD+19, FMC19, Fri10b, FD11, FSX12a, GQH17, zGXW12, GKM16, GGHR14, GFBF12, GT12, GV14b, GHKL11, GM14, GZS+18, HvS12, HSM14,

HLLG18, Har16, HL10b, HP14, HTZR12, HMCK12, HLC+18, HLKL15, HYS18, HK14b, HLH19, IL15, Jac16, JKA+18, JHW+19, KW14, KME+12, KHN+11, KYEV+18, KD19, Küp15, KH10, LJS+14, LL15, LH12, LYZ+13, LTH+15, LTZY16, LSLW15, LLSL19, LLGJ16, LSQL18b, LY15, LHL15, LWML16, LLML12, LSC12, MLO17, MMP14, MDHM18, Mal13, MVVR12, MMS17b, MGJ19, MK12a, MKAA17]. **Secure** [NBZP17, NDG+17, NR12, NMS14, NSMS14, PB12, PSM17, Per13, PBC+17, PRN+19, QZL+16b, QZDJ16, QZZ18, RC18, RMP10, RR17, Rea16, RMZW19, RSGG15, RS19, SAM+19a, SNJ11, SSKL16, ST19, SZS14, SVCV15, SP15b, SKH17, SS15, SRAA17, SAR18b, SSAF11, SVG16, SYW17, SYC+17, SMS14, SZDL14, SGH15, SLY+16, SR12b, SM18, TB18, TCL15, TWZ11, TG12, TGC16, VTY18, VMV15, WgMW12, WKB16, WXLY16, WLY17, WDCL18, WDZ19, WLH15, WBA17, WWHL12, WS19, WMS+12, tWmC12, XWSW16, XLQ09, XJWW13, XLP+18, XHZ+19, YNR12a, YNR12b, YTH17, YQZ+19, YHK+10, YKC+11, YAM+15, YY17b, YGD+17, ZXZ+11, ZDL12, ZDHZ18, ZVH14, ZVG16, ZHT16, ZLW+17, ZHZ+19, ZBR11, AHS14, APK+18, ABBD13, ACF16, AKK+17, ACD+15, AYSZ14, BMDT19, BOB13, BHH19, BZD16a, BKR19, BSR+14, CCLL11, CSD18, CLHJ13, CW14a, CS11, CDL18, DA18, DEL19, DMM10]. **secure** [DGL19, DMD18, FHH10a, FLL+14, FSGW12, FA14b, FIO15, FLYL16b, FS18, Gal13, GAI+18, GLL+18, GCH15, HGWY11, HWK+15, HLYS14, HTC17, HPY10, IB11, JZS+10, KPP16, KKA14, KRM+10, KCS+18, KTUI16, KLW+17, KDW+17, KKD+18, LLLS13, LDDAM12, LH11b, LLW16, LSR13, LHM+10, LDZ+14, LWK+18, LZD+19, LZWZ19, LWK+19, LCT+14, LAL+15, LJY16, LHH+18, LL16a, LL16b, LBOX12, MR14c, MHY+18, NR17, NACLR12, NAL17, ODK+17, OSNZ19, OSANAM19, PÁBC+19, PSdO+13, PLSvdLE10, PWS19a, PY19, PBP19, Rao17, RG10, RYF+13, RITF+11, RS15, SGGCR+16, SYL13, SWW+16, SSS11, SM10c, SSPL+13, SXL16, SLXX16, SC19b, Tar10, TLMM13, THA+13, TLL12, VS11, WLZ+16, WMX+17, WXMZ19, WHZ+19, WDKV19, WCCH18, WL19, XWXC14, XXX15, XZP+19, XMY+17, XWK+17, XYML19, YC12, yYqWqZC13, YZZ+14, YZCT17, YQOL17, YY11, YLS12, YJC18, YMSH10, ZLY10, ZCLL14, ZZ15, ZQD16, ZYC+17, ZG10]. **secure** [ZZ12, ZX11, ZY17b, ZC12, Zhu13, ZZL+19, ZSW+18b, Ano12, DSLB18, HRK18, OKG+12, YSS14, YFK+12]. **Secure-TWS** [OKG+12]. **Secured** [LC17, SGG18]. **SecureLR** [JHW+19]. **Securely** [CC10, KP17, LHL+14, MS16, WXY+17, BC18, der10]. **SecureMR** [DMD18]. **Securing** [AASSAA18, BK12b, CMLS15, CST+17, Cla18, NPH+14, PMZ13, SFE10, SMSK18, SWF+19, SLI11, Ste15b, TKR14, YMA17, YT12, YWY+19, CR10, Din10, GH15, SKS+18, SA15, Tox14, YWZ+18]. **Securities** [WWL+14]. **Security** [ABJ13, AHN+18, ASBdS16, Ano13f, Ano15a, Ano15d, Ano19a, ABF12, AN15, ABHC+16, ABB+19b, AYS15, BCE+10, BSBB19, BA18, BCM+15, BCHL19, BRT12, BPR14a, BPR14b, BLS12, BCGN16, BDPS12, Bra15, BDH11, BP10, CFST17, CFE16, CBJX19, CHS11, CFXY17, CCD15, CCDD19, CCDD20, CPS16, CM11, DDS12, Dan12, DR12, DK16a, DFKC17, Elb09, FREP17, FMA+18, Fid18, FMA+19, FP19, FSX12b, FSX12c, GN16, GZZ+13, GR19a, GPR+19, GSC17, HC12, Hel17b, Her19, HB17, HSUS11, HLW12, HXC+11, HLCL11, HLT+15, HLN+10, IEE15, IS12, IGR+16, JN12, JSA17, Jia14a, KBL11, KS18b, KFOS12, KSD+17, KD12b, LPS12, LST12, LW11a, LK14, LLPY19, LJP17, LW12, LLZ+17, LTW11, LSQZ17, LYL+18,

LSQL18b, LP12, LRW17, LZC12a, LWL+17, LZZ+19a, LNG19, LDB+15, LMS16, LLH18, MMKP16, MTY11, MKN13]. **Security** [MCS+15, MH14, Mau12, MV16a, MGG+19, MLBL12, MPM+17, MHMSGH16, Nac12, NNAM10, NDG+17, NVM+17, Nos11, Nos14, OSH16, Orm16, OS16, Pas13a, PZPS15, PGLCX17, PDNH15, PS14, PL16, PDT12, PNRC17, RB17, RCP+18, RVS+18, RQD+15, RWZ12, Rog16, RS10, SGG18, SN10, SNJ11, SBS+12, SBS18, SPD+10, Sar12, Sch13, SD12, Shi11, SC19a, SLM10, STC11, Sti19, SSP19, SAM+18, SMOP15, SCGW+14, Tso13, TV15, VFFHF19, Wal18, WYCF14, WSA15, WZC16, WRP70, WSS12, WHLH17, WCL+18, WS14, Yan10, YZLC12, YSF+18, YHSW19, YGS+17, YYK+17, YSS14, Yon11, YYW19, Zha15b, ZM18, ZXL19, ZYY19, ZY17a, ZYH+19, ZCZ+19, vTJ11, AMN18, AB10a, Abe10, ABGR13, And19, ABM+12, Ano11a, AM19, AGBR19, ADH17, BYL10, BSS11, BDL+11, BLV17, BM11, BL11, CO11, CTHP13, CLCZ10, CVG+13]. **security** [DLK+16, DGMT19, DXWD16, DHW+13, Edw14, FHM+12, FA14a, Fei19, Fis15, GHD19, GM16a, GLM+16, GMMJ11, GMS11, GH12, HPJ+19, HWDL16, HWG10, HLR11, HRS13, Hod19, HLV10, IAA+19, JK19, KNTU13, KSA16, KKK+16, Lan10, Lan13, LDC13, LH10a, LZ11, LXMW12, LHH11, LZC14, LSG16, LLG19, MZA+13, MZL+19, Men13b, MM14b, MSGCDPSS18, MSM+18b, NS10, Nam19, NCL13, NLYZ12, NML19, OK18, OYHSB14, PHWM10, PMG19a, QYWX16, QLZ19, Ree15, RPSL10, RH10, SA12, Ser12, SVY19, SLZ12, SY15b, SYWX19, Sir16, Sta11b, Tan17b, TODQ18, Tay19, THA+13, TKG+17, UUN11, VCK+12, WCFW18, XCL13, YLL+18, YY17a, ZAAB17, Zha15a, vdWEG18, XW12, YKC+12, Bar12]. **Security-Aware** [LJP17, LMS16, GHD19]. **security-enhanced** [AMN18]. **security-modified** [MM14b]. **SEDURA** [LY15]. **see** [PZ15]. **Seed** [AS17, LYHH14, Sun11]. **seeing** [Tox14]. **seen** [Goo12, PWS+19b]. **Segment** [WOLP15]. **Segmentation** [WYW+13, ZZCJ14]. **selectable** [GLM+11]. **Selected** [DDS12, Dan12, MV12, BYL10, JY14, LH10a, vDKS11, JY14, MV12]. **Selection** [KÖ14, KD12a, KD19, RP12, SEY14, YKA16, DRN16, FXP12]. **Selective** [BTHJ12, GDCC16, JSA17, LW12, LSC+15, LZC12a, LLH18, PWS+19b, LZC14, LW13c]. **Selective-Opening** [LLH18]. **Self** [Cer18, CLL16, CHHW12, CSV15, DM18, HZ11, LCL+17a, LLPY19, LH12, LHM14, PRGBSAC19, RCK17, SAA15, SM12, TAP19, WHZ12, XWXC14, ZLDC15, AGH+17, FXP12, HL14, LT13, LH13, SH11, YN19]. **Self-adaptive** [LHM14, FXP12, SH11]. **Self-authenticating** [Cer18]. **Self-Authentication** [LH12, LT13]. **Self-Certified** [CLL16, XWXC14, HL14, LH13, YN19]. **self-composition** [AGH+17]. **Self-Controllable** [ZLDC15]. **Self-Defense** [RCK17]. **Self-Identifying** [CSV15]. **Self-Recovery** [SAA15, CHHW12]. **Self-restoration** [WHZ12]. **Self-Sovereign** [TAP19]. **Self-Synchronized** [DM18, PRGBSAC19]. **Self-Synchronizing** [HZ11]. **Self-Updatable** [LLPY19, LCL+17a]. **SELinux** [SFE10]. **seller** [KJN+16]. **Semantic** [DDY+19, MHW+19, YZCT17, HLR11, HTC17, JS18a, WS19]. **Semantic-aware** [DDY+19]. **semantically** [PBP19, SLXX16]. **Semantics** [CM11, Gli12, KGP12]. **Semi** [AAA+19, BDOZ11, KKK+16, SEK+19, WHZ12, XZLW15, ZHS10, PGLL10]. **Semi-automated** [KKK+16]. **Semi-Autonomic** [SEK+19]. **Semi-Fragile** [AAA+19, ZHS10, WHZ12, PGLL10]. **Semi-homomorphic** [BDOZ11]. **Semi-trusted** [XZLW15]. **Seminary** [SS10c]. **semirings** [Dur15]. **Sender**

[WZ15]. **Sensational** [YGFL15]. **sense** [BH19, Kem11]. **Sensemaking** [HGOZ19]. **Sensing** [CCZC13, Kar12, MJS+19, PWS+19b, uHAN+18, RPG12, XWZW16, Fay16]. **Sensitive** [Kaw15, RQD+15, Tan15a, QCX18]. **Sensitivity** [YGD+17, LWW+10]. **Sensor** [ABC+17, BN14, CS14, DS11, KH10, LLC11, LLZ+12, NNAM10, NYR+14, OKG+12, PX13, PCPK14, RWLL14, SP15b, YM16, ASO14, APK+18, AIB+16, AIKC18, ADF12, BNNH19, BLAN+16, BBB16b, CDGC12, CLSW12, DSCS12, DLN13, HKA+18, HTC+10, JNUH17, JMW+16, KLC+10, KO16, KLW+16, KDW+17, LC17, LNK+18b, PL16, RR17, SZMK13, SKK10, Wan13, WW14, WDV18, WXK+17, XWDN12, XMHD13, ZYGT17, ZYL+10]. **Sensors** [DM19, DL12, LIK+17, OMPSPL+19]. **Sensory** [SGC14]. **Seoul** [LH10a, LW11a]. **Separable** [LLSL19]. **Separating** [RCBK19]. **separation** [MJS13]. **Sequence** [PFS12, WGZ+12]. **Sequences** [ADD10, Kla10, NN12, XNP+18, XYXYX11, HLC12, VM14]. **Sequential** [GLR10, GLR13, HWZZ19, LLY15, TLZ+17, SM19a, WYL13]. **serial** [MCRB19]. **Series** [BJL16, EKOS19, Die12]. **Serious** [AG18]. **Serpent** [PC16]. **serpentine** [KKM11]. **Server** [AV18, BCO13, Che15, GMSV14, LSQL18b, LNWZ19, LYL15, MV19, YLW13, ATKH+17, BK19, BBDP16, CSD18, CLHJ13, FA14b, FHZW18, HDPC13, HL14, ISC+16, KMTG12, KLW+17, LXMW12, LH13, MHL18, SY15b, hSZZ15, SSAF11, SSS11, TLL12, WT10a, XHM14, YN19, YY13]. **Server-Aided** [GMSV14, LNWZ19, MV19, LYL15, SSAF11]. **Server-Designation** [Che15, LSQL18b]. **Server-Side** [BCO13]. **Servers** [HWZP18, DRD11, KKD+18, PÁBC+19, SG19a, WLWG11]. **Service** [BKBK14, CCS14, GGK18, GKG19, Hay13, LDB+15, LBR12, MJW+18, NRZQ15, RSGG15, SPG+19, SSPC12, Sti15, VS16, VFFHF19, AaBT16, AAH+19, HK17, KPP16, LHL+18, LW13a, MMP19, MLM16, Par12b, SVY19, Wu17, YWK10b, ZX11, CWZL13, YCM+13]. **Service-Based** [LDB+15]. **Service-Oriented** [RSGG15]. **Services** [Ano11b, DLZ+16b, JP19, MEFO12, OO12, PSM+18, ZHL15, AZPC14, Bel18b, CXX+19, CAM19, CSD18, CHX13, DYZ+15, GAI+18, IMB17, IG11, LWYM16, LZD+19, MSL13, NDSA17, NZL+15, ODK+17, PP11, WDKV19, XXX15, YJC18]. **Session** [BS12, BKJP12, CFST17, SHS12, AN15, BCFK15, DCAT12, DGMT19, SHBC19]. **Session-Based** [BKJP12]. **Set** [Cor14b, EKP+13, RS17a, YZ12, Con12, GR19b, TMK11]. **set-valued** [TMK11]. **SETI** [Sch16a]. **Sets** [GL19, SPK17, SF12]. **Setting** [BKLS12, HHP17, MZHY15, Ma17a, TYM+17, XXZ12, ZHL15, Kom18, MML16]. **Settings** [GA19, GZ12]. **Setup** [KZZ17, SOR16, Jia16]. **SEV** [BWS19]. **Seventh** [CS10]. **Several** [HLC+19, Sas12, ZT14]. **SGX** [MZLS18, TSB18, WBA17]. **SHA** [AAE+14, ABM+12, App15, jCPB+12, Con17, LC17, MAK+12, Mor19a, NIS15, SKP15]. **SHA-1** [AAE+14, Con17, SKP15]. **SHA-256** [App15, MAK+12]. **SHA-3** [ABM+12, jCPB+12, LC17, Mor19a, NIS15]. **SHA1** [Con17, SBK+17]. **SHA256** [GWM16]. **SHA3** [FLYL16b]. **Shadow** [Col17, Kap11]. **Shadows** [YSC+15, SLXX16]. **Shafi** [Gol19]. **SHAIP** [HRK18]. **Shakes** [CNR14]. **Shamir** [BDSG+13, UUN11, WKB16]. **Shannon** [AMS+10]. **Shape** [HFW+19, RITF+11, SY14, Pet11]. **Shapes** [CJFH14, LMHH14, SY14, SGS14, ZZCJ14]. **Share** [LTC+15b, GJJ18, ZPWY12]. **shareable** [XWY+18]. **Shared** [DRD11, LNXY15, NSP+18, OKG+12,

TYK+12, XJR+17, YJSL18, GEAHR11, LDC13, Par18, PZPS15, SA12, TG12, YYS+16, YNX+16]. **shared-secret** [SA12]. **Shares** [BLU+15, CFOR12, KU14, SA16a, WY12, AIM+19, LJY16]. **Sharing** [Bai10, BFM12, BBEPT14, CCM+15, CFOR12, CCL+13, CCT+14, CLW16, DR12, EM12, FHKP17, FR16, HYS11, HL10a, HRS13, HLT+15, KU14, KOTY17, KSSY12, KS15, LYZ+13, LPL15, Lin15, LCCJ13, LTC+15b, LLKA19, NS12, Oba11, PSM17, QZZ18, QJC+18, SC10, SSU12, SZZT18, TLW12, TWZ11, WYCF14, WKB16, WGF16, WHLH17, XNKG15, XZY+12, YFF12, YWZ+12, ZC13, AKK+17, ADH17, CD16a, CT11b, CW14a, CLC+19, EZ15, EA11, FGMP12, GPLZ13, GJMP15, GLW13, GLB+18, GBC19, HF14a, HBBRNM+16, HCCC11, HLC12, HYF18, KFE19, KI11, KTUI16, KPB17, LXLY12, LH11a, LT13, LFWS15, LAL+15, LyWSZ10, LHYZ12, LHL15, LLL+18, LEW19, LL16a, Mas17, OO10, OO18, QD16, Rao17, SAR18b, TD14, UUN11, UUN13, WLWG11, WMC17, WXMZ19, WHZ+19, WDZ19, WLS14, WKH11, WS12, WOLS12, YC11, YCC16, ZCL+12, ZZ15, ZPWY12, SLL10]. **Shell** [WZCC18, YSS14, Tay14]. **Shemanske** [Gre19a]. **Shenzhen** [IEE11a]. **Shield** [NDG+17, KGV16]. **Shift** [AKP12, TAP19, ZH15, KKM11, LWK11]. **Shift-Type** [AKP12]. **Shifting** [YWW10, CSS+13]. **Shih** [Joh10]. **Shilling** [CZ19]. **Shopping** [AHS13]. **Shor** [JL18, MNM+16]. **Short** [BHG12, CWWL12, FR15, NR12, SKV12, WQZ+16, XGLM14, JSMG18b, LLY15, LJY16, RD17, ZPWY12]. **Short-Output** [NR12]. **Shorter** [Hül13, PPB16, TH16]. **Should** [Bel15, Eve16]. **shown** [Ana14]. **shows** [Goo12]. **Shparlinski** [Sha10]. **Shredder** [AMH+16]. **Shredding** [AMH+16]. **SHS** [Ano12]. **Shuffle** [HMR12]. **shuffler** [BVIB12]. **Shuffles** [CKLM13]. **shunned** [Ree15]. **Sicily** [Cra12]. **Side** [AMMV18, AN17, Bar16b, BCHC19, BCO13, Bul18, CFE16, CDK+10, CBL13, CATB19, DZS+18, DMWS12, DKMR15, EWS14, GZSW19, GWM16, GPT14, KOP12, LWML16, LFK19, NDC+13, PRC12, SG15, SR12a, Vua10, YL17, ZBPF18, BVIB12, CAM19, DJL+12, GSAV18, MCL+19, MFH13, SG19a]. **Side-Channel** [AMMV18, Bar16b, BCHC19, Bul18, CBL13, CATB19, DZS+18, EWS14, GWM16, GPT14, KOP12, LWML16, NDC+13, PRC12, SG15, YL17, ZBPF18, DMWS12, GZSW19, LFK19, BVIB12, GSAV18, MFH13]. **Sided** [HP14]. **Sieve** [VM14]. **sieving** [SD17]. **SIFT** [KLY+12]. **Sign** [ACC+13, LL15, MEFO12, SPM+13]. **Sign-On** [ACC+13, LL15, MEFO12, SPM+13]. **Signal** [GDLL18, Kar12, BLL+19, MS13b, RITF+11, EM19]. **Signals** [Col17, Fyo19, LJK17, XNRG15, AIA+18a, AIA+18b]. **Signature** [Ano13c, ABF12, ASS15, AEHS15, BHG12, BDH11, CZCD18, CLND19, CGY+13, EFGT18, FGM10, FR15, GJJ15, GJZ17, GMSV14, GHY18, HZX15, HPO+15, HHP17, Hül13, HP17, JL16, LK18, LTH+15, LDZ16, LYY+16, LGPRH14, MMN12, NXB13, PH12b, ST16, TTH15, WZXL12, WLH15, WYML16, WHLH16, XLQ09, XGLM14, Y+17, YHK+10, YMWS11, YLA+13, ZJ14, ZLH+12, ZSY19, AGHP14, CLSW12, CCG10, Con17, DZ14, DXWD16, DLN13, HYWS11, Hwa11, JZS+10, LHM+10, LDZ+14, LWZG10, LL16b, Nos14, QYWX16, QMW17, QCX18, RSM15, SLM10, VS11, WSC14, XLWZ16, YWL+17, YLS12, YKC+12, ZLY10]. **signature-based** [DLN13, QMW17]. **Signatures** [Ano15a, ABC+17, AYS15, BBC+13, BDFK12, BHH+15, But17, DMO+19, Fuc11, GY13, GdM16, HHS18, HS18, Hül13, HRS16, HBG+17, MKF+16, MCF17, MKAA17, Orm16, PST13, TH16,

Ver17, WCD19, YT16, ASVE13, AYSZ14, BDL+11, BH19, BPP10, GCH+19, GMS11, HAGTdFR13, Her14, LLY15, LJY16, PPB16, SEXY18, Tia15, ZQWZ10, Mou15]. **Signcryption** [CMA14, DZY10, FZT13, FZT14, IL15, LSL12a, LSQZ17, LSQL18a, Rao17, RSD19, RMZW19, XQL11, YY17b, ZM18, ZYD10, ZGCZ18, EZ15, HPY10, HS11, KL11, LYW+10, LK12, LZT12, LKAT12, LLH17, YMSH10, LHL15]. **Signed** [KWH16]. **signer** [Hwa11]. **Significant** [KTM19]. **Significantly** [CBL10]. **Signing** [YAM+15, GLL16, JC13]. **Sigsaly** [Pau19]. **SIKE** [KG19]. **Silent** [AMH+16]. **Silver** [McG16]. **Silverman** [Mei10]. **Silvio** [Gol19]. **SIMD** [SD17]. **SIMD-based** [SD17]. **similarity** [ZFH+18]. **similarity-aware** [ZFH+18]. **SIMON** [LYK19, AMKA17, BSS+13]. **Simple** [Ano13e, CZF12, EKOS19, LYY+18b, Ros11, Sar10b, Sma16, SD18, TDTD13, ZH15, Zim10, CLM+12, Cas15, MMS17c]. **Simpler** [TH16]. **Simplified** [PS12]. **Simpson** [Sim10]. **Simulating** [Eng15]. **Simulation** [CPS16, KHRG19, LLH18, MS13a]. **Simulation-Based** [KHRG19, LLH18]. **simulations** [Ana14, GQH17]. **Simultaneous** [YWZ+12]. **Singapore** [Abe10]. **Single** [ABK13, ACC+13, LL15, MEFO12, Sas12, SPM+13, CJXX19, GMMJ11, MCRB19]. **single-factor** [GMMJ11]. **single-generation** [CJXX19]. **Single-SP** [Sas12]. **Singular** [LSL12b, BWA13]. **sins** [HLV10]. **SIP** [KKGK10, ZTZ16]. **SIP-based** [ZTZ16]. **SIPF** [SYC+17]. **Site** [DSB15, SS10c, Hel17a]. **siteDriverID** [SGGCR+16]. **Situ** [GRRZ18]. **Situated** [KTM+18]. **situations** [BDM+19]. **Size** [AS17, AEHS15, CJ13, CSW12, EAA12, Kim15, LCLL15, LSQX19, MTY11, WCXZ17, YM19, ZMW16, AHL+12, LCT+14, PPTT15, SGM16, SHBC19, ZWY+19]. **Size-Constrained** [EAA12]. **Skein** [FLS+10, KNR10]. **Skill** [SCMS18]. **Skin** [AQD12]. **Skipjack** [CJZ13]. **Skipjack-like** [CJZ13]. **skyline** [BKV13]. **Skype** [DJ19]. **Slantlet** [TK14]. **Slicing** [MZ17b]. **Slide** [IOM12, LC13]. **Sliding** [BBG+17, Bro17, Win17]. **SLISCP** [ARH+18a, ARH+18b]. **SLISCP-light** [ARH+18a]. **SLMAP** [HCETPL+12]. **Slow** [Smi11b]. **SLV** [AV18]. **SM2** [ZSH+19]. **Small** [BGJT14, BKLS12, BB10, CJ13, HJ19, Kim15, LCLL15, NR15, WCXZ17, YM16, YT16, AAT16, BGJT13, Jou13, MZ15, PT19]. **Smart** [AN17, ABCL17, BNMH17, BD18, BSJ15, DLZ+16b, HXHP17, HCL+14, HK18, LFH18, LA10, MFG16, PDT12, VJH+18, WgMdZlZ12, WgMW12, AMN18, BC16, Bel18b, CHS11, CLHJ13, CHH+13, DZC16, GHD19, GAI+18, Ham19, HCC10, JZU+19, LH10c, LNM+11, LXMW12, LNKL13, LNK+18a, LZD+19, LWK+19, LTC+15a, MM12, MCN+18, SSSA18, SYWX19, URK+19, WMYR16, YZZ+14, YSL+10, YY13, ZGL+18b, ZDHZ18, ZZY+19, Cho10, GLIC10, SD12]. **Smart-Card-Based** [HCL+14]. **SmartEdge** [JZU+19]. **Smartphone** [MDMJ17, uHAN+18, DL15]. **Smartphones** [Cor14b, GSAV18, MWW+18]. **Smartwatch** [LFH18]. **smartwatches** [NM18]. **smashed** [Fag17]. **Smith** [Ano16i]. **Smooth** [LYY+18a, XYXYX11, YC11, ZBR11]. **SMS** [KRM+10, LH11a, PSdO+13, PCK19, RVS+18]. **SMS4** [LYL+18]. **SMSCrypto** [PSdO+13]. **SMSes** [SNG+17]. **smuggle** [MSL13]. **Snake** [BBDP16]. **Snakes** [PC16]. **SNOW** [PC16]. **Snowden** [Tox14]. **SNUSE** [DEL19]. **SoC** [HZS+19, GSC17, ZAAB17]. **Social** [BPSD17, GB19, KTA12, NSA15, NRZQ15, PYM+15, Rog16, SKGY14, SZZT18, VKK+19, WLY+15, WZCH19, ZW15, Zha15b, ZHL15, AQRH+18, BDK11, HYF18, LCM+17, LZC17, MSM+18b, SNG+17, SKS+18, Smi15a, WMC17,

WXMZ19, YZL+18, vdWEG18]. **Society** [ATD17, Sch15a, Sch12b]. **Socio** [NS12]. **Socio-Rational** [NS12]. **SoD** [VN16]. **Soft** [Her19, Jin10, TLCF16, SS17a]. **Soft-Error** [TLCF16]. **Softw** [WZM12a]. **Software** [Bar15, Bee17, BCHC19, EWS14, FHLOJRH18, GZSW19, KYEV+18, LRVW14, MRL+18, MV16a, Seo18, SAM+18, TLZ+17, YGD+17, ZPM+15, AGHP14, ABF+14, CFH+13, DK17, Eve16, GGH+16b, GIJ+12, HLV10, KHF10, LBOX12, SF12, YWT+12]. **Software-Defined** [KYEV+18, SAM+18]. **Solan** [CGB+10]. **solid** [Cri16]. **Solution** [DHT+19, Fra15, GSFT16, HLKL15, Kam13, NA10b, YFT17, YFT18, Cor14a, MDHM18, SVGE14, ZAAB17, SAM+19a]. **Solutions** [Ano19c, BCHL19, LLGJ16, BLV17, KAS15, MMP19, OMPSPL+19, TKG+17, WW14]. **solve** [Pec17]. **Solved** [IBM13a]. **Solving** [Ano17c, BB10, Hod19, Bul10a]. **Some** [AD12, Ber12, Dur15, LWL10b, Mid10]. **someday** [And19]. **Somewhat** [HTC17, KOS16, MBF18, RJV+18]. **Song** [Cou12b]. **Sood** [MWZ12]. **SOSEMANUK** [PC16]. **SOT** [PAF18]. **SOT-MRAM** [PAF18]. **Sound** [COP+14, Gol19, HCYZ18, LSR13, Sav15]. **Source** [Bis17, FKOV15, MBC15, RWLL14, ABF+14, LZC17, PX13, Pow14]. **Source-Based** [MBC15]. **Sourced** [Lal14]. **Sources** [DHB16, BJ16, SSY12, TBK+18]. **South** [BL10, LW11a]. **Sovereign** [TAP19]. **Soviet** [Bud16]. **SP** [IEE15, CJZ13, Sas12, SEHK12]. **SP/SPS** [CJZ13]. **SPABox** [FGR+17]. **Space** [BWR12a, BKL+13, NYR+14, Raz19, RMG18, BCGS16, Kum10, MSM+18b, RYF+13, ZZ15]. **Space-Filling** [BWR12a]. **space-hard** [BCGS16]. **Spaces** [SH15, YJC18]. **spacial** [DZC16]. **spam** [SKEG14]. **Spanish** [Pet11, SGGCR+16]. **Sparse** [AGW15, AAT16, BBC+13, PMG19a]. **SPARTA** [MMS+17a]. **SpartanRPC** [CS14]. **Spatial** [AV12, CZF12, PDMR12, ZWZ17b, CW14b, NZL+15]. **Spatiotemporal** [DIMT12, CXX+19]. **Speaker** [BJCHA17, PPRT12, RSR+19]. **Special** [Ano13f, Ano16b, Ano16c, Ano16j, Ano19a, AB10b, AHWB20, BCHL19, BdD19, CWZL13, CSYY18, GO17, LW13a, LLK18, MMKP16, PHWM10, XW13, YYW19, Zor12]. **Specific** [BD15, BDFK12, KME+12, ARH+18a]. **Specification** [HZS+19, Int19, SK11, CWZL13, SD10]. **Specifications** [BMP12]. **SPECK** [LFW+16, AMKA17, BSS+13]. **Spectrum** [KD12a, TWZ+12, XNRG15, XNP+18, KPB17, LWY12, MMSD13]. **Spectrum-Based** [TWZ+12, XNRG15]. **Speech** [AGW15, LJK17, SAA15, YMA17]. **Speed** [ARM15b, GL12, HZ11, KP17, LTKP16, MSR+17, BDL+11, KFE19, KL13, SD17]. **Speeding** [RVRSCM12]. **Speedup** [Che18]. **speedy** [FG19]. **SPEKS** [Che15]. **spell** [Bha16]. **Sphere** [Sti19]. **SPHINCS** [BHH+15]. **Spies** [Has16, Keb15, Fag17, Mac14]. **SPIHT** [SS17b]. **Spin** [Fyo19]. **Spintronic** [IGR+16]. **Splicing** [YSC+15]. **Spline** [Tan12a]. **Split** [CG14a, XZY+12]. **Split-State** [CG14a, XZY+12]. **Splittable** [CP13]. **Splitting** [MV19]. **SPN** [LCLW17]. **Spoken** [WBC+10]. **Sponge** [ARH+18a, BDP11, BDPV12]. **Sponge-specific** [ARH+18a]. **SPONGENT** [BKL+13]. **spongy** [RS14]. **Spoof** [SP15a]. **spotty** [ÖŞ11]. **Spread** [HGT15, KD12a, PSJ+13, TWZ+12, XNRG15, XNP+18, LWY12, MMSD13]. **spreadsheets** [LT13]. **Springer** [Mei10, Mur10]. **Springer-Verlag** [Mei10]. **Springs** [IEE11b]. **Spritz** [RS14]. **SPS** [CJZ13]. **Spy** [AHS13, FKOV15, Bha16, Goo12]. **Spying**

[VWC19]. **SQL** [BS13a, Suc12]. **Square** [ARH14]. **Squares** [KÖ14]. **Squashing** [GH11a]. **SRAM** [KLM+12]. **SSD** [LGLK17, MPA+18]. **SSH** [YSS14, Cri16, Lit14, Ran10, der10]. **SSL** [BJR+14, Dav11, FHM+12, GIJ+12, HREJ14, NPH+14, PP11, Tay19]. **SSL/TLS** [BJR+14, Dav11, PP11]. **SSL/TLS-based** [PP11]. **SSO** [MLM16]. **St** [DDS12, Dan12, MNS11]. **ST-Numbering** [MNS11]. **stack** [JSM+18]. **stage** [Mas17]. **stakeholders** [RR16]. **STAMP** [WPZM16]. **Standard** [Ano12, Ano13c, App13, ABC+17, BCM12, BV11, BV14, CT18, GJJ15, GJZ17, HZX15, LYX+19, LK18, LDZ16, Loe15, MVVR12, NIS15, OGK+15, RSD19, SZS14, TCL15, WWHL12, Yon12, ZC13, BCM13, HTC17, Kim11, LZT12, LL16b, Mas17, TS16a, WZM12a, WZM12b, WWBC14, YC12, ZCL+19, AEH17, MKRM10, NdMMW16, SJ19]. **standardisation** [EM19]. **Standardising** [EM19]. **Standardization** [TRD11]. **Standardized** [BLN16]. **Standards** [BCM+15, Che17, DHW+13, NIS13]. **start** [Rom11]. **starts** [Sch16a]. **State** [BVS+13, BLM17a, BLM17b, But17, CG14a, CCL+13, CHS15, Dew11, DP17, FHR14, LLK18, MKF+16, OMNER19, Sen17, WGD18, XZY+12, YM18, BBDL+17, CK11, CGH17, Ham12, Mid10, QD16, Sir16]. **Stateful** [BVS+13, NTY12, VKPI17, VSR12, YLL+18]. **Stateless** [BHH+15, GM11, MKAA17, NTY12, VDO14, BBDP16, DCAT12]. **Stateless/Stateful** [NTY12]. **statement** [NIS13]. **Static** [DKMR15, IF16, Lan11, TLMM13]. **Station** [LSY+16, Smi11a]. **stationary** [ZLDD12]. **Statistical** [Böh10, Bro11, DBPS12, HZ11, Hey17, LTKP16, OOR+14, SP13, Sim15a, GMT+12, SA19]. **Statistical-Attack** [SP13]. **Statistics** [gWpNyY+14]. **Statutory** [PH12b]. **Stealing** [RWZ12, VWC19]. **Stealthy** [BRPB13]. **Steering** [HR13]. **Steganalysis** [Böh10, DA12, Fri12, JHHN12, KD12b, LJK17, LC15, SGP+12, Tan12a, YLL+12, YI14, YPRI17, BS11, LHM13, LSQ11a, LSQ11b, Sch12a]. **Steganalysis-Resistant** [YPRI17]. **Steganalytic** [Ber18, YPRI17]. **Steganographic** [DA10, HHS+15, LyWlZZ12, WP15, AGLW16, LLC10, CAC14]. **Steganography** [AAA+19, AGW15, BCG12a, CLF11, FR16, FMS12b, Fri10a, Fri12, HZW+14, Joh10, KTM19, LJK17, LLY+12b, MAL10, PDMR12, Pau10, SK12a, SR12b, TJZF12, WWL+14, WYL18, YWYZ12, YWW10, ZSA12, AOT13, BS11, BDK11, BHCdFR12, EEAZ13, GKCK11, KKK+18b, LyWSZ10, LRW13, LRW17, LWW+10, Maz13, MSM+18b, MS17, PHN+12, PMG19a, SAM+19b, SI12, ST15, Sun16, WKH11, WOLS12, ZMS14]. **StegNet** [WYL18]. **Stego** [YLL+12, SMSK18]. **Stego-Image** [YLL+12]. **Stellenbosch** [BL10]. **step** [AKY13, YXA+18]. **Steps** [Ano13e]. **Stereotypes** [Söd13]. **Stern** [ACD18]. **STES** [CMLS15]. **Steven** [Ano16a, Led16, Sch15a]. **Still** [RAZS15, UK18]. **Stochastic** [ADR18]. **stolen** [Bha16]. **Stopping** [Sav13a]. **StopWatch** [LGR14]. **Storage** [BCQ+13, CWL16, CCT+14, CLW16, CDLW19, DKL+19, GLG12, HSM14, HLC+18, JSCM17, Küp15, LCK11, LMD16, LWCJ14, LCDP15, PBC+17, QLL17, SKH17, WHLH17, XNKG15, YZDZ19, YJSL18, ZDL12, ZVG16, AY14a, AKK+17, BP10, CFVP16, CFZ+10, CLH+16, CDF+10, CDL18, ED19, FH13, FNWL18, GLB+18, HSM13, LBOX12, SLL+19, Sar10a, SYY+17, SWW+16, SWW+17, WS13, XWK+17, XYML19, YYS+16, YZCT17, YJC18, ZYC+17, ZVH14]. **store** [KV19b]. **Stored** [CMLS15, RSN14]. **Stores** [BCK17, GYW+19]. **stories**

[Smi15b, ZMYB17]. **Storing** [DLWW11, HK19, LZC17]. **storm** [ACM12]. **Story** [Cer14, Keb15, Tur18, Ald11, Fag17, Gre17, Hea15, Kus13, Mac14, Mun17, Pea11, Pet11]. **Strand** [SH15]. **Strange** [Acz11, Gre17]. **Strangeness** [Ber12]. **Strategic** [Sch12c]. **Strategies** [DSSDW14, DSSDW17, TJZF12, YCM+13, AZF+12, DRN16, WWW17]. **Strategy** [LH12, NRZQ15, FLZ+12]. **Stratix** [SMOP15, SMOP15]. **Stream** [ABS+12, BMS12, CMLS15, DM18, DGFH18, DG12, DGlS12, DJG+15, GKSB17, GCS+13, HZ11, Hey17, IOM12, KE19, KPC+16, Kla10, MD12b, MHC12, MS12b, NN12, PNRC17, WH18, WHN+12, ZH15, Die12, KM10a, LWK11, LW13b, MRT10, OCDG11, QGGL13, RS14, SM19b]. **StreamCiphers** [ERRMG15]. **Streaming** [BSA+19, ZSA12, Cri16, XWZ+18, ZC12]. **Streams** [PCDG14, PWS+19b, HM10, PYP10]. **Street** [Gli12, KGP12]. **Street-Level** [Gli12, KGP12]. **Strength** [DM15, FHV16, Spa16]. **Strengthen** [BL12]. **Strengths** [XNP+18]. **Stribog** [AY14b]. **strikes** [Ran10]. **string** [FHV16]. **Strings** [SKE+18]. **Strong** [ADD10, KFOS12, PYM+15, SA19, SAA12b, Yon12, GH15, GH16, HYWS11, NCL13, OYHSB14, SVY19, WLZ+16, YLL+18, AYSZ14]. **StrongBox** [DGFH18]. **Stronger** [Boy16, ZYY19, MvO11, RK11]. **Strongly** [DDM17, HHP17, KW14, YS12]. **Structural** [LYY+18b, BDK11]. **Structure** [CJZ13, HP12, KD19, LMHH14, LJ15, LLG19, MKRM10, WYCF14, WJ19, CD16a, JKA+18, LXLY12, SM19b, ZLW+12, ZPWY12]. **Structure-Independent** [MKRM10]. **Structure-preserving** [LLG19]. **Structured** [PMZ12]. **Structures** [GTT11, HHH+13, LHKR10, LPL15, PB12, TSB18, DDFR13, MHKS14, PPG19, Shy15, WS12, XWZ+18, ZZ15]. **struggles** [Hel17a]. **STT** [VDB+16]. **Students** [PP10a, SDC+17, SPG+19]. **Studies** [Uto13]. **Study** [AIF+19, Ano17c, DDR+16, MZLS18, SY15a, SPG+19, STC11, CCG10, EBFK13, KD18, MHV15, SS17a, VGN14, VSB+19]. **Stuxnet** [BPBF12, Kus13, Zet14]. **Style** [GHPS12, GHPS13]. **Stylistic** [GA19]. **stylometry** [BAG12]. **sub** [GPLZ13]. **sub-passwords** [GPLZ13]. **Subcommittee** [Bla16]. **Subgroup** [CCL+19]. **Subject** [SC19a]. **subliminal** [LWZG10]. **submarines** [McG11]. **subnormal** [AKM+15]. **Subrecursive** [BBD19]. **Subscribe** [BGP+17, DLZ+16b, OFMR16, PRSV17, SLI11, TKR14, YSM14]. **Subset** [BS14, RP12, AVAH18, ZZ11]. **subspaces** [ZWM14]. **Substituted** [HD19]. **Substitution** [DA10, KTM19, SGFCRM+18, FVK17]. **substitution-transposition** [FVK17]. **Substring** [MRR+18, SOR16]. **substructure** [MRT10]. **success** [Ano14a]. **Succinct** [BCI+13, CKLM13]. **Such** [Roh19]. **sufficient** [TD14]. **suitable** [Jeo13, SKB+17]. **Suite** [MTM18, NACLR12]. **sum** [AVAH18]. **Sumo** [BS12]. **Sums** [SS12b]. **sun** [Cer15]. **Super** [Sch19b, BCND19, MZ17a]. **super-activation** [BCND19]. **Super-Isolated** [Sch19b]. **Superpoly** [HIJ+19]. **Supersingular** [FHLOJRH18, Lau17, LNL+19, Y+17]. **Supervised** [CTC+15, GSAMCA18, HXHP17]. **Supply** [QZL+16a, QZL+16b, YFT17, YSF+18, YFT18]. **Support** [MSI18, ZZQ+19, CZ14, HHAW19, JAS+11, MMF15, PWW10, PKA15, TTL10, VCK+12, ZMM+10, ZBR11]. **Supporting** [BHH19, CDLW19, FMTR12, HGOZ19, HCDM12, PH16, SG12, SOR16, Ver17, ABR13, HZL18, JSMG18b, YYS+16, CWZL13]. **supports** [WR15]. **Surfaces** [Sch19b, CDSLY14].

Surprises [Bow11]. **Surreptitiously** [SFKR15]. **Surveillance** [BPR14a, BPR14b, GZH17, KLK+19, Lan10, Ano16h, Fei19]. **Survey** [AAUC18, ACKB19, ABHC+16, ABB+19b, BGN17, BCTPL16, BHJP14, BJCHA17, CLB19, DM19, GN16, GMDR19, HPC10, KMY18, KSD+17, LGM+16, MR14b, MSM18a, MSI10, MKK17, NDR+19, NV10, OFMR16, OMNER19, PGLCX17, PWS19a, SKH17, SSP19, TRD11, TS16b, VV18, AAZ+16, ABB+14, ADH17, BM13, BGG+13, BEB+18, FMA+18, HKA19, HT13, HAGTdFR13, KJN+16, KAS15, LK10, MMP19, MA17b, Maz13, MHV15, NR11, PPA18, TZTC16, TKG+17, VBC+15, WWW17]. **Survival** [YCM+13, MMS+17a]. **Surviving** [CFST17]. **suspect** [der10]. **sustainability** [KPB18]. **SVC** [MU12, WDDW12, ZLDD12, ZLDD14]. **SVD** [AM19, FYD+19, LP12, TB18, ZWWW17, ZWZ17a, ZWZ17b]. **SVM** [TLL13]. **swarm** [ZSMS18]. **Swarms** [VOGB18]. **SWIFT** [PLCGS11]. **Switching** [CNT12, GHPS12, GHPS13, WB12, YWYZ12]. **Sybil** [AQRH+18, dCCSM+12]. **Sybil-precaution** [AQRH+18]. **Sylvester** [SS10b]. **Symbol** [CS10]. **Symbolic** [BCEO19, BCEO20, Bul18, CBRZ19, Wat10]. **Symmetric** [BPR14a, BPR14b, BDPS12, CVM14, FPS12, GFBF12, JCHS16, KTT12, Kha10, MM17b, PR12, PCY+17, TWZ11, WRP70, YKNS12, BGG+13, CGKO11, DLZ16a, FH13, GMRT+15, GMdFPLC17, Gor10, GCVR17, HK19, KAS15, LZC17, SKK10, ZCZ+19]. **Symmetric-Key** [CVM14, KTT12]. **symmetrical** [RS17c]. **Symmetry** [SGS14]. **Symposium** [ACM10, ACM11, Ano10a, IEE10, IEE11b, IEE13, IEE15, MSH+16, TBL19, TT18, Wat10, Ano11a]. **symptom** [YZL+18]. **symptom-matching** [YZL+18]. **SYN** [DHT+19]. **Synchronization** [BL12, VTY18, WXY+17, yWXyZ+18, AATM18, WDG19, XNG+14]. **Synchronized** [DM18, PRGBSAC19, ACM12]. **Synchronizing** [HZ11]. **SYND** [MHC12]. **Syndicate** [HM19]. **Syndromes** [BBC+13]. **Synergy** [KRB12]. **Synergy-Based** [KRB12]. **Synopses** [RCBK19]. **Synthesis** [SKE+18, TCMLN19, RS17c]. **Syst** [HYS18, WZM12a]. **System** [ADI11, Alz19, Ano10a, BBCL19, BD18, CZLC12a, CZLC14, Cor14b, CRST15, DDE+19, DG15, GOPB12, Har16, HHS+15, HZS+19, IAD10, JN12, JLZ18, JWJ+17, Jin10, KMP+11, KZZ17, LYX+19, LFX+18, LSY+16, LHW18, Lop12, MMBS19, MLBL12, NSMS14, PSSK19, QLL17, RSCX18, SMSK18, SRAA17, SLI11, XZL+19, YE12, YZX+12, YKK18, ZZM17, ZPW16, ZLDC15, ZVG16, AHM+18, ARG19, BC18, BGG+13, Bul10a, CH11, CTL12, CZ14, CS11, FLYL16b, FNWL18, GKCK11, GH15, HHBS18, HWK+15, HJM+11, HLYS14, JC13, KGP+19, LLLK10, LLL+17b, LHH+18, Lit14, LTC+15a, LLL+18, LZKX19, MS12a, MNNW15, PSOMPL13, SSPL+13, VSB+19, WMX+17, WDZ19, WGZ+12, XWZW16, XYML19, YZL+18, YWZ+18, ZCZQ19, ZYGT17, ZMM+10, ZML17, ZZL+18, KKA14, Dew11]. **System-Level** [BBCL19, JWJ+17]. **System-on-Chip** [HZS+19]. **Systematic** [CCG+16, CBL13, PC16, IAA+19]. **Systems** [AMSPL19, AN12, AEP18, AB15, Ano19a, BL15, BL16, BS13b, BCTPL16, BB10, CZ19, CWL16, CCF17, CRE+12, DLZ+16b, GI12, HXC+11, HCL+14, HLN+10, HK18, KS18a, KLK+19, LYY+18a, LMD16, LQY10, LY16, LNZ+13, MT17, MR14b, MJS+19, OŚ12, PGLCX17, PMG+19b, PRSV17, PH16, QZL+16b, RST15a, RST15b, SBS+12, SBS18, SSKL16, SFKR15, Sev16, SKH17, SGC14, SDM+12, STC11, SSP19, TKR14, YNR12a, AT10, ATI+10, BK19, BGE+18, BDL+19, CFVP16, CFZ+10, CLZ+17, Cla18, dCCSM+12, dCCSB+16, CGH11, CVG+13, CDA14, DEL19, DZS+12, Eis10, FXP12,

GMOGCCC15, GHD19, GSN+16, GPVCdBRO12, HZWZ18, JSK+16, JHCC14, KSA16, LCL+15, LWK+18, MDHM18, MLMSMG12, MGP10, MFH13, NLYZ12, QMC17, SS10a, SR10, SRB+12, SMS+16, WDG19, WS14, YSM14, ZAAB17, ZGL+18b, ZVH14, Zhu13, MA17b, MMKP16, Ano11a]. **Systems-on-Chip** [KS18a]. **Systolic** [MCDB12]. **Systolic-Array** [MCDB12]. **SZK** [MX13].

T [SJWH+17]. **T-Chain** [SJWH+17]. **Table** [CCL+13, AY14a, LDDAM12]. **Tables** [PTT16, XHM14]. **Tackling** [USH19]. **Tag** [NNAM10, PPH12, CJP15, SPLHCB14, CJP12]. **Tags** [MO12, HSH11, HDPC13, HQY+16, KNTU13, LEW19, MK12a, PLSvdLE10, TG17, WCFW18]. **Tailored** [Kni17]. **Taipei** [Yan11]. **Taiwan** [Yan11]. **Takes** [Ano16d]. **Talking** [FD11]. **Talks** [McG16]. **Tamed** [NXB13]. **taming** [BBDL+17]. **tamper** [CBJY16, KKK+18b, MN10, NC13, WgMW12]. **tamper-evident** [MN10]. **Tamperable** [ACM+17]. **Tampered** [SSA13]. **Tampering** [ABSSS19, CG14a, QJC+18, SRAA17, HYL+19, SGP+17]. **Tangible** [LFH18]. **TAO** [Sta13]. **Taormina** [Cra12]. **Tap** [NM18, ADG16]. **Tap-based** [NM18]. **taps** [GSAV18]. **Target** [CZ19, APMCR13, HRS16, LSQ15]. **target-driven** [APMCR13, LSQ15]. **Targeted** [ABJ13]. **Tasks** [Abe12, FKS+13, LJP17, CL16]. **Taxonomy** [AJA16, GAF+15, KMSM15, HAGTdFR13, MA17b]. **Taylor** [Joh10]. **Tc** [XLC+19]. **Tc-PEDCKS** [XLC+19]. **TCC** [Cra12, Lin14b, Sah13]. **TCP** [DHT+19]. **TEA** [CWP12]. **Teaching** [GY13, SCMS18]. **Team** [LJS+14, Pfl10, Ant14]. **Tear** [Boy16]. **Tear-Free** [Boy16]. **TEASE** [ZBR11]. **tech** [Ano15e]. **Technical** [Sir16, TS16b, Wag16, Bon19, JW14, Suc12]. **Technique** [HEK18, KBL11, ZLDD14, BBBP13, CPPT18, GCSÁddP11, LH11a, Nam19, SM12, ST15, SKS+18, TS16a, ZWS+18]. **Techniques** [Bis17, DA12, GOS12, HPC10, HL10b, KD19, LW12, Mor12, PJ12, VV18, AB10b, BM13, FGPGP14, Gil10, HT13, KHF10, LH11b, OO18, SM19a, VN17, WMX+17, Joh10]. **Technologies** [ATD17, GB19, Int19, RC18, SJZG19, JAE10, JAS+11, Lan10, MMP19, Ano16a]. **Technology** [Ano19c, AHWB20, CGB+10, Eya17, Fol16, IEE11a, MZLS18, TBY17, VFS+19, Wu16, Ham19, IMB17, Pec17]. **telecare** [LWK+18, MA17b]. **telephone** [GMMJ11]. **telephony** [Cla18, SKEG14]. **Telepresence** [NSP+18]. **teleprinter** [GMT+12]. **Television** [DTE17]. **Tell** [Cer14, Pec17]. **Template** [NGAuHQ16, SKV12, YYK+17, AJYG18, ATI+10, GCSÁddP11, SC19b]. **Templates** [DWB12, AHM+18, AGBR19, LH14, QLZ19]. **temporal** [DZC16, JMW+16, MHT+13, XMHD13]. **temporal-credential-based** [JMW+16, XMHD13]. **Tenant** [TV15]. **Tensor** [FYD+19]. **Terabit** [LGP19]. **terahertz** [WW13]. **Term** [SKV12, vdG17, CFVP16, VBC+15]. **termination** [SRB+12]. **TERMinator** [MTM18]. **Ternary** [ADI11]. **Test** [CHH+19, HTC+15, JEA+15, LLSW16, MZHY15, SS10b, WH18, WZCH19, HTC17, ZCZQ19, ZCL+19, Ano16i]. **Testable** [RMP10]. **Testbed** [BNNH19]. **tester** [RPSL10, SY15b]. **Testing** [BCG19, Cou12b, DB16, SS12a, AY14a, BJR+14, GR19b]. **Tests** [GLG12, MS12b, Sim15a, YM18]. **Texas** [IEE13]. **Text** [GA19, GdM16, SMSK18, XZZ18, CR12, HAK19, SI12, SWW+17, ZMYB17]. **Text-dependent** [GdM16]. **Textbook** [PP10a]. **Texture** [TSH17]. **textures** [NSX+18]. **thanks** [CBL10]. **Theft**

[Ber12, Ber17, BTPLST15, ZMYB17]. **Their** [CZLC12b, CK18, FVJ19, HR19, JS18b, JSK+17, NR12, ZYY19, CQX18, FLYL16a, Hof16, IK15, KK10, Mat19, Sti11]. **them** [HLV10, JSK+16, Nor17, Rus15]. **Theological** [SS10c]. **Theorem** [Lau12, HF14a]. **Theorem-based** [Lau12]. **Theoretic** [ADH19, CVM14, MAL10, WSS12, CDGC12, GLM+19, SD10, SKEG14]. **theoretical** [KL13, ZZ15, Gas13]. **Theoretically** [TWZ11, DGL19]. **Theories** [ABR12]. **Theory** [ACM10, ACM11, AAUC18, CCKM16, CDFZ16, CDFS10, Cra12, FGM10, FBM12, FS15, Gre19b, Hes12, LW11a, Lin14b, Nac12, Per13, PJ12, RZ19, RBHP15, RST15a, RST15b, Sah13, SAKM16, Sha10, Shp03, Wes16, Yan10, Abe10, AB10b, Bul10b, CFR11, Gil10, LPZJ15, MZA+13, McG11, YTM+14, Cra12, Lin14b, Sah13, vDKS11]. **theory-based** [LPZJ15]. **There** [Cer15, NSP+18, McK10, McK11, SM13]. **Thin** [Chi16, JLX+19]. **Thin-client** [JLX+19]. **things** [FQZF18, AAC+16, AKS19, BCHL19, Bel18b, CLF+17, CCMB19, FREP17, FMA+19, GMDR19, HKA+18, Ham19, HZL18, JKAU19, KHRG19, LNK+18b, LW19, LGH+17, NLLJ12, NLY15, PLGMCdF18, SB17, SXH+19, SS19, SYv+19, VWC19, WCCH18, XLC+19, YCT15, ZDHZ18, ZSY19]. **Third** [jCPB+12, OSH16, QZL+16b, Sen10, BL10, ED19, Küp13]. **Third-Party** [OSH16, QZL+16b]. **Third-Round** [jCPB+12]. **Thirteen** [AP13]. **Thomas** [Gre19a]. **thou** [BDK11]. **Threat** [CSYY18, ALL+18, Ven14, ZMYB17]. **Threats** [AJA16, ERLM16, GSC17, LJS+14, vdG17, TKG+17]. **Three** [AMSPL19, CZ15a, HXC+11, LLY+18, LZC+12b, OSANAM19, PC16, Shi11, YKNS12, AIB+16, CNF+18, HWB10, IC17, JKL+16, LNK+18a, LNK+18b, LML+13, Tso13, TKHK14, XCL13, YC12, YZZ+14]. **Three-Dimensional** [LLY+18, LZC+12b]. **Three-Factor** [AMSPL19, HXC+11, AIB+16, IC17, JKL+16, LNK+18a, LNK+18b]. **three-party** [HWB10, LML+13, Tso13, TKHK14, XCL13, YC12, YZZ+14]. **Threshold** [CT11b, Cil11, FGM10, GLW13, HEP+11, HYS11, LWL10b, LYY+16, SSU12, Sta12, Tan11, WYCF14, WLH15, XLQ09, YFF12, YHK+10, YLA+13, ZCL+12, DZ14, FGMP12, HF14a, HH15, JSMG18b, LJY16, OO10, QD16, SES+16, Shy15, SGM16, TD14, ZXJ+14, ZPWY12]. **thresholding** [PC14]. **thrive** [Sch12b]. **Throughput** [HMKG19, MAK+12]. **Thru** [SYC+17, SYW17]. **Thwart** [LJS+14]. **Thwarting** [LWML16, XTK10]. **Ticket** [XHCH14]. **Ticket-based** [XHCH14]. **tickets** [LMJC11]. **tied** [Men13b]. **Tiered** [GGK18]. **Ties** [PYM+15]. **Tight** [GDCC16, LPS12, LLH18, ZYH+19]. **Tightly** [HLLG18]. **Time** [AEP18, ASBdS16, Ano17d, App14, AYS15, BBCL19, BJL16, Che17, EKOS19, FD11, GSC17, HC17, HGT15, IF16, JWJ+17, JEA+15, KME+12, LCL+17a, LFX+18, MWES19, NA10a, Nov10, PNRC17, Raz19, RHLK18, Ste15b, WLZL12, YE12, AY14a, Ano15d, BM15, CC14, DCAT12, FHH10a, GPLZ13, GMdFPLC17, HU15, LW10, LW13b, LML+13, MK11, NSX+18, Par18, SPK17, WDG19, XLC+19, Ano16i]. **Time-area** [Nov10]. **Time-Delay** [LFX+18]. **time-invariant** [GMdFPLC17]. **Time-Memory** [ASBdS16]. **Time-Series** [BJL16, EKOS19]. **Time-Space** [Raz19]. **Time-Specific** [KME+12]. **Time-Spread** [HGT15]. **Timed** [Jia14b, KFOS12, Tan15a, Unr15, WSS12]. **Timed-Ephemerizer** [Tan15a]. **Timed-Release** [KFOS12, Unr15, WSS12]. **Timing** [BGN17, FDY+19, GV14b, Hay13, LGR14, LFK19, VCD16, YDV19, AKM+15,

AGH+17, MCL+19, SRB+12]. **Tiny** [ZOC10]. **Titan** [PP10b]. **Titan-R** [PP10b]. **TLS** [AV18, AP13, BBDL+17, BFCZ12, BZD+16b, BJR+14, CFN+14, Dav11]. **TLS-based** [PP11]. **TMDTO** [MSS+18]. **TNFS** [FK19]. **Today** [Ber16b, Cla18, Mac12]. **Toeplitz** [Ye10]. **Token** [TYK+12, ZM16, IMB17, Jac16, OMPSPL+19]. **token-based** [Jac16]. **Token-Leakage** [ZM16]. **tokenisation** [Mar10b]. **tokenless** [Wat14a]. **Tokens** [Muf16, DCAT12, HU15]. **Tokyo** [Sah13]. **Tolerant** [HK14b, MKK17, WCD19, ZM16, BZD16a, JLT+12, WMYR16, XW13]. **tolerating** [ZWM14]. **Tone** [Yam12]. **Too** [DL15, DSSDW14, DSSDW17, Ros11]. **Tool** [ASM12, DKMR15]. **Toolbox** [AHS13, TRD11]. **Toolkit** [BJL12]. **Tools** [Abe12, BKBK14, GO17, Ste15a, Lan11]. **Top** [SS12a, SS10c, Sta13, CHX13]. **top-** [CHX13]. **Top-Fanin** [SS12a]. **Top-Secret** [SS10c]. **Topics** [SCPSN10a, SCPSN10b, AB10b, Dun12b, Kia11, Pie10]. **Topology** [HHMK14]. **Topology-Preserving** [HHMK14]. **Tor** [LLY+12a]. **Toronto** [MV12]. **torsion** [HR19]. **Tossing** [ALR13, DSMM14, Fok12, BB14]. **Touch** [KTM+18, MWW+18, SPW+16, SHBC19, Alp18, CTL12, IAA+19, NSBM17, TZTC16]. **touchstroke** [Alp18]. **TouchWB** [MWW+18]. **Tower** [ZAG19]. **TPM** [GY13, KHN+11]. **TQC** [vDKS11]. **Trace** [ABR12, GA19, PS14, AA14, WGJT10]. **Traceability** [HCETPL+12, WYML16, WHLH16, YFT17, Chi13a, YYS+16]. **Traceable** [LDZW19, QRW+18]. **Traceable-then-revocable** [LDZW19]. **traceback** [LWY12, PJ18, WYL13]. **traces** [MYYR13]. **Tracing** [LW16, PPS12b, WXL+17, MFH13, PPR+12]. **Track** [Dun12b, Kia11, Pie10]. **Tracking** [GZH17, MDMJ17, SNCK18]. **Trade** [ASBdS16, BS14, GPR+19, SR10]. **Trade-Offs** [ASBdS16, BS14, GPR+19, SR10]. **Tradeoff** [WDDW12, MV16b]. **Trading** [TW12]. **Traditional** [SSP19]. **Traffic** [BSA+19, DRS16, FGRQ18, HS18, KAHKB17, VV18, ACMP19, AZH11, FTV+10, PPR+12, Tay19, VS11]. **traffic-feature** [FTV+10]. **Training** [HM12, GSAMCA18]. **Traitor** [LW16, PPS12b, Bha16]. **trajectory** [LVRY10]. **Transaction** [BGAD12, MMLN15, KVvE18, OYHSB14]. **Transaction-based** [BGAD12]. **transactional** [SPK17]. **Transactions** [DG15, Mic16, Muf16, PAS13b, TV15, DK12, FG19, MLMSMG12]. **Transceiver** [NBZP17]. **Transcript** [Gli12]. **Transfer** [AMSPL19, DN12, FMTR12, HL10a, LCCJ13, WCL+18]. **transferable** [GZXA19]. **Transform** [AN12, BCPV11, KTM19, LSL12b, pNyWyY+14, OWHS12, SM12, YWNW15, BW13, MO14, NES+14, PC14, ST15, TK14, yWpWyYpN13]. **Transformation** [CRE+12, FJHJ12, NXB13, TFS19, tWmC12, GZHD12, HQZH14, PGLL10]. **transformations** [CJXX19, SA14]. **Transforming** [Eya17]. **transition** [CK11]. **Transitioning** [BR19]. **translation** [ABR13, CLY18, WSS+19]. **transmission** [AK14a, BCDN17, BCND19, OSANAM19, PSdO+13, WQZ+13]. **Transmissions** [CBO+18]. **Transmitter** [KPB17]. **Transparency** [TJZF12]. **Transparency-Orientated** [TJZF12]. **Transparent** [CCW+10, XTK10, ZHS+19, CRS13, JDV16]. **Transport** [RBHP15, TW14]. **transportation** [SMS+16]. **transposition** [FVK17]. **Trapdoor** [BKPW12, CCL+19, CBJX19, CWWL12, Mat14, RPSL10, CSZ+11, CW12a]. **treatment** [YSM14]. **Tree** [BS14, CCC19, HSH11, XWZ+18, BW13, BBB16b, CD16a, CFG+17, SCBL16].

Tree-based [HSH11]. **Trees** [SB18, BTPLST15, Kam19]. **Trends** [Fri12, GCK12, ZMS14, JAE10]. **Triangular** [ÁMVZ12, RR16]. **Tricks** [GY13]. **Trigger** [SS19]. **trimmed** [TTL10]. **TRIMS** [MGP10]. **Triple** [LW13b, MS12a]. **triple-base** [MS12a]. **Triple-image** [LW13b]. **Triplet** [JS18b]. **triumphant** [McG11]. **Trivium** [MS12b, SR12a]. **TRNGs** [YKBS10]. **Trojan** [NDC+13]. **Trojans** [BRPB13]. **True** [FRT13, LTKP16, Fag17]. **TrueCrypt** [Ano14c]. **TrueErase** [DMS+16]. **Truly** [LA10]. **Truncated** [KWS+12, WW12]. **Trust** [Bar15, BL16, BCK17, DCA19, Gli12, GM14, GSFT16, HHBS18, IGR+16, KMSM15, KGP12, PYM+15, PH12b, PAS13b, Rau15, SG12, TMGP13, TV15, WLY+15, Zha15b, BSBG19, CO11, KGO10, MLMSMG12, MGP10, Sch12b, YT11a]. **Trusted** [AWSS17, EAA12, FPY15, SS15, YCR16, ED19, HTC+10, Küp13, SPD+10, XZLW15, YI17]. **Trustworthiness** [RSX18, WXSH19]. **trustworthiness-based** [WXSH19]. **Trustworthy** [PSM+18, KM10b]. **Truth** [MJS+19]. **try** [Nor17, YK16]. **Try-CybSI** [YK16]. **Trying** [YK16]. **TTP** [ATK11]. **TTP-free** [ATK11]. **TTPs** [KGO10, TAKS10]. **Tulip** [JB11]. **Tunnel** [VDB+16, ZBR11]. **Tunnel-based** [ZBR11]. **tunnels** [Cri16]. **Tunny** [Cop10a, GMT+12]. **Turing** [Orm16, Blö12, Car10, CS12, Don14, Hai17, Hel17b, KSU13, LCKBJ12, Pro15]. **turns** [Bre18]. **Turtle** [WZCC18]. **Tutorials** [Lin17]. **Tutte** [Hai17]. **TV** [CCSW11]. **Tweakable** [CMLRHS13, LST12, MLCH10, MKASJ18, Sar11, Zha12]. **tweet** [BTW15]. **twelve** [BCV12]. **twice** [BM15]. **TWINE** [KDH13, LYD+18, TY16b]. **TWINE-128** [LYD+18]. **Twins** [Bow11]. **TwistIn** [LFH18]. **Twitter** [AIF+19]. **Two** [Ash14, ATC17, Bru12, CTL13, Col17, DZ14, ED19, GGHR14, GLW12, HL10b, HP14, HWB10, KMTG12, KOS16, KU12, LLC11, LW19, Lit14, NSMS14, OTD10, YSL+10, YLW13, ZM16, AN15, BD18, CSD18, CHS11, Con17, DHW+13, FIO15, GMMJ11, HZW19, HPC12, HWDL16, HWB12, JLT+12, JMW+16, Kem11, Li10, LM14, MDHM18, McG11, NMX15, OMPSPL+19, QYWX16, Rus15, SM10b, hSZZ15, WW14, Wat14a, YT11b, ZZC15, GHKL11]. **two-channel** [JLT+12]. **two-dimensional** [HZW19]. **Two-Factor** [LLC11, ED19, LW19, Lit14, BD18, GMMJ11, JMW+16, Kem11, MDHM18, NMX15, WW14, Wat14a]. **Two-Party** [Ash14, HL10b, HP14, KOS16, NSMS14, ZM16, FIO15, HPC12, HWB12, ZZC15, GHKL11]. **Two-Round** [GGHR14]. **Two-Server** [YLW13, KMTG12, CSD18]. **two-way** [LM14]. **Twofish** [MD12a]. **TWS** [OKG+12]. **Type** [AKP12, CFL13, HWS+19, PFS12, SH15, ACD18, BNST17, GJ19, SYL13, WB12]. **Type-based** [CFL13, SYL13]. **Type-Flaw** [SH15]. **Types** [BCEM15]. **Typing** [CCDD19, CCDD20, SCR19b]. **typographical** [CJW+19].

U.S. [Maf16]. **Ubiquitous** [HFS+19, OS16, Par12b]. **UESDE** [YZ12]. **UHF** [HQY+16, PPH12]. **UK** [Che11, PJ12, vDKS11, Ano15e, Kum10]. **Ukraine** [OGK+15]. **Ultra** [SBS18, AATM18, GW14, TG17, WCFW18]. **Ultra-Lightweight** [SBS18, AATM18, TG17, WCFW18]. **ultralightweight** [ACM12, GMSW14, SB17]. **UMTS** [OHJ10, TM12]. **un-traceability** [Chi13a]. **unaided** [CAM19]. **Unattended** [BN14]. **unauthentic** [MLMSMG12]. **Unauthorized** [CBO+18]. **Unbounded** [LW11c, YZ12]. **unbreakable** [Bha16, Pau19]. **Uncalibrated** [SGP+12]. **uncensored** [Ald11]. **Uncertainty** [FHS13, BBGT12]. **Unclonable** [Ano16f].

Unconditional [Jia14a]. **Unconditionally** [CFOR12, LHF12, SNJ11]. **Unconditionally-Secure** [CFOR12]. **Unconstrained** [GEAHR11]. **uncorrelated** [MSM+18b]. **Uncovering** [FMS12a, WBC+10]. **Undeciphered** [Rao10]. **Undeniable** [BHG12]. **Underbelly** [Her19]. **underfeeding** [BBBP13]. **underhanded** [Cra14]. **Understanding** [Elb09, EPAG16, PP10a, Bar12]. **Undetectable** [CEL+19]. **Undisturbed** [YCL17]. **Unexpanded** [SA16a]. **Unforgeable** [HHP17]. **Unidirectional** [LSC12, DKL+16]. **Unified** [HK17, ZSW+12, ABO+17]. **Uniform** [HZS+19, QJC+18]. **uniformly** [YKKL12]. **Unilaterally** [GRL12]. **Unintended** [Ess17, SS19]. **union** [BBDL+17, Bud16]. **Unique** [SSPC12, SOS15, GSGM16]. **Unit** [PP10b, Sta13, MS13a, MS13b, MS13c]. **unital** [WMU14]. **units** [ABDP15]. **Universal** [ASM12, BKST18, BJL12, NR12, KS19]. **Universally** [DN12]. **Universe** [LW16, FNWL18, LFZ+17]. **University** [Ano17b, CGB+10, Wes16]. **unlike** [Goo12]. **unlikely** [Fag17]. **Unlimited** [IBM13a]. **Unlocking** [VS16]. **unmanned** [XWZW16]. **unpaired** [CLY18]. **Unprovable** [Pas13a]. **unsafe** [Con17]. **unsigncryption** [EZ15]. **unspoofable** [NR11]. **unstructured** [CML16]. **Unsupervised** [CZ19, HFW+19]. **Until** [BWS19]. **untold** [Mun17, Pea11]. **untraceability** [KIH19, YHL16]. **untraceable** [AIKC18, JMW+16]. **Untrusted** [HZX+18, LQY10, MS16, ATKH+17, DRD11, MvO11, WS13]. **Updatable** [LLPY19, LCL+17a]. **Update** [BCE+10, KE19, LQY10, FS18, WLFX17]. **Updated** [BWS19]. **Updates** [VOGB18]. **updating** [GCSÁddP11, LJWY18]. **Upper** [ÁMVZ12]. **URLs** [AY14a]. **USA** [Dun12b, IEE13, IEE15, Kia11, Lin14b, MSH+16, Pie10, Rab10, ACM10, ACM11, IEE10, IEE11b, TT18]. **Usability** [RAZS15, GMMJ11, KNTU13]. **Usable** [DL15, RS19, TGC16]. **Usage** [HR19, NSP+18, AKK+17, BHCdFR12]. **Use** [BR19, CSV15, DFKC17, IM16, KOS16, NR12, SD17, Söd13, YT12, der10, CZ15b, Die12, EAAAA19, Fai19, Hof16, KK10, LDC13, MBF+13, Mat19, OO10, PPG19, Sti11, UK18, SG19b]. **Used** [CGCGPDMG12, BM15, MS13b, TBK+18]. **useful** [dCCSB+16, Dya19]. **Usenet** [Bel18a]. **User** [BOP14, BLV17, BKJP12, FLH13, GMDR19, GdM16, GMMJ11, Har16, HWZZ19, JN12, Kni17, LLC11, LCL17b, MZHY15, MBC15, MDMJ17, OdH12, PDT12, PWVT12, RVH+16, SOR16, SZDL14, SPM+13, VJH+18, VFFHF19, WgMdZlZ12, WgMW12, WAK+19, ZHS+19, ZPW16, AaBT16, ATKH+17, APK+18, BT18, CH10, CHS11, CLHJ13, DSCS12, DEL19, DM09, GH16, GTSS19, HFCR13, HL12, HL14, JS18a, KLN15, KKM+13, KLW+16, KDW+17, LH10c, LNM+11, LNKL13, LH13, MM12, MWW+18, MML16, MHL18, NM18, OKG+12, SCFB15, SK18, SSNS15, hSZZ15, SPK17, SHBC19, VSB+19, VGL14, WLWG11, WDKV19, WT10a, WOLS12, YHL16, YSL+10, YN19, ZWY+19]. **User-centric** [BLV17]. **User-controlled** [Har16]. **User-Friendly** [SZDL14, WOLS12]. **User-Generated** [LCL17b]. **User-Level** [BKJP12]. **user-participating** [CH10]. **User-related** [GMDR19]. **User-Tailored** [Kni17]. **User-Transparent** [ZHS+19]. **Users** [DPCM16, KKA15, TAKS10, WPZM16, ATK11, Bel18b, uHAN+18, FLYL16a, FHM+10]. **uses** [Rus15]. **Using** [AA19, ABS+12, ABB+14, Alz19, Ano15a, Ayu12, ARM15b, BBC+13, BCPV11, Bee17, BP06, BFMT16, BKLS12, BJR+14, CST+17, CCC19, CCL+13, DSB16, DR12, DA10, DBPS12, DL12, ERLM16, ERRMG15,

EZW18, FHLD19, FMS12a, GWP+19, GH11a, GMdFPLC17, GM16b, GSC17, GAS+16, HEK18, HXHP17, HHS+15, HD19, HWZZ19, IL15, JSA17, Jin10, JEA+15, KTM19, KBL11, KÖ14, KHN+11, KG19, Lac15, Lan11, LYZ+13, LLY+18, LLGJ16, LCR+18, LBC18, MM17a, MBC15, MRL+18, MS16, NIS12, NGAuHQ16, NNAM10, NN12, NSMS14, PMZ13, PSS+13, PAF18, PDMR12, PDT12, PCPK14, RSX18, RMERM19, RVRSCM12, RHLK18, SR12a, SFE10, SS17b, SS19, SSA13, SRAA17, SC12, SR12b, Tan12a, TKR14, VJH+18, WWL+14, WgMdZlZ12, WHLH17, WY12, WAK+19, XNP+18, XZZ18, YM18, YWW10, YWNW15, YWM19, YCL17, YSS14, ZH15, ZWWW17, ZWZ17a, ZHS10]. **Using** [ZPW16, ZS12, dRSdlVC12, ACMP19, AASSAA18, ATKH+17, AHM+18, APK+18, ASVE13, BK19, BLL+19, BOP14, BM13, CSH+18, CHS11, CR12, CLHJ13, CBJY16, CP13, Cri16, DA18, Dav11, DTZZ12, DGFH18, DMD18, uHAN+18, EEAZ13, FES10, GQH17, GR19b, GSAMCA18, GSAV18, GSGM16, HAK19, Ham19, Har14, HK14a, HK17, HZWW17, HFCR13, HWB12, HL14, HPY10, HCC10, HS11, JKA+18, JCHS16, JCL+18, JMW+16, KGP+19, KI11, KY10, KKG14, KCS+18, KM11, KKK+18b, KSU13, KTUI16, KPB17, KD19, KLW+16, LXLY12, LLP+18, LC17, LH11a, LH10c, LNM+11, LXMW12, LH13, LZKX19, LM14, LML+13, MM12, MMLN15, MS13a, MMSD13, MM14a, MKH+12, MRRT17, MSR+17, MSM+18b, MGB19, NSX+18, NTKG17, NSBM17, PBCC14, PBP19, PC14, QD16, RR17, RS15, RS17c, SCFB15, SKE+18, Sar11, SM19a, ST15, SGFCRM+18, SKS+18, SAR18b, SPK17, SLXX16]. **using** [SA19, SC19b, SCBL16, TLCF16, TG17, TK14, TLL13, UUN11, VSB+19, yWpNyL11, gWpNyY+14, WMX+17, WHJ17, XWK+17, YWJ+19, YQH12, YZZ+14, YSL+10, YN19, ZZKA17, ZLW+12, ZYC+17, ZXW+18, ZZL+18]. **uth** [CHL19]. **utilization** [NZM10]. **Utilizing** [BM18].

V2G [BT18, TODQ18]. **Validating** [GIJ+12]. **Validation** [FPY15, KHRG19, vRDHSP17, BJR+14]. **Validations** [PDJ+19]. **Validity** [BCF16]. **valuable** [Ana14]. **Value** [GYW+19, LSL12b, SZHY19, YWW10, BWA13, KV19b, Svo14]. **valued** [BNA15, TMK11]. **VANET** [PZBF18, WLZ+16, Wu17]. **VANETs** [BMM12, CGCGPDMG12, CST+17, IOV+18, LLG15, MGB19, YMM13]. **Variability** [VDB+16, SHBC19]. **Variable** [CHHW12, CMMS17, XNP+18, DTZZ12]. **variable-interval** [DTZZ12]. **Variables** [BB10]. **Variant** [AAE+14, MVVR12, ZXWA18]. **Variants** [ASS15, BB10, HLC+19, Hin10]. **Variation** [DWZ12]. **Variations** [DSB16, SJZG19]. **Varied** [GZ12]. **varieties** [LR15]. **Varying** [GKCK11, BCDN17]. **Vault** [PBC+17, KHMB13, LYC+10, SC19b, TSB18]. **VBF** [ÁCZ16]. **VBTree** [WL19]. **VDTNs** [PSS+13]. **Vector** [ÁCZ16, FHLD19, HHMK14, JHHN12, Kaw15, RS17a, WK18, Zaj19, ZYT13, ZM16, DWZ12, LLM+19, PWW10, TTL10, ZZ15]. **vector-form** [DWZ12]. **Vectorial** [DQFL12, FY11]. **vectorized** [DGK18]. **Vectors** [XLP+18]. **Vegas** [IEE10]. **vehicle** [WXSH19]. **vehicle-to-vehicle** [WXSH19]. **Vehicles** [LSY+16]. **Vehicular** [HLKL15, ZHW+16, BBB19, KM10b, SGGCR+16, WXSH19]. **Vein** [KLY+12]. **Velskii** [BBB16b]. **Ventilated** [RSCX18]. **Vera** [Ayu12]. **Verifiability** [EKOS19, RST15a, RST15b, VSR12, WWHL12, YMC+17, BRR+15, Hwa11]. **Verifiable** [CFE16, CRST15, Fuc11, HYS11, HLC12, HLC+18, KZZ17, LWW+19, LLL+18, NJB19, QD16, RDZ+16, RS17b, SZQ+17, XWLJ16, YNR12a, YCR16,

GLM+19, LZY+16, LJW+17, MGB19, NMP+13, PHGR16, QS18, XWS17, ZZ15]. **verifiably** [SEXY18, ZLY10]. **Verification** [AV18, App15, ABR12, BCEO19, BCEO20, BL15, BL16, CCK12, CCCK16, CM11, EWS14, Ess17, GLLSN12, GdM16, GMSV14, HZS+19, Lin15, MT17, MV16a, OŚ12, PNRC17, RSR+19, SOF12, TSB18, Tom16, Vet10, ZPW16, AGHP14, ABF+14, ASVE13, BK19, BFG+14, BJ10a, BTW15, GPN+12, HFCR13, KKK+16, LEW19, MR14c, NPH+14, SD10, XHM14, YNX+16]. **Verified** [BFCZ12, YGS+17, HKA+18]. **verifier** [DGJN14, HYWS11, WHJ17]. **verifiers** [AYSZ14]. **Verify** [BCK17, KRH18, SKGY14, KNTU13, SWW+16]. **Verifying** [AD12, BFK16, GZSW19]. **Verlag** [Mei10]. **Version** [BCP14a, Faa19, KÖ14, DXWD16, ZDW+16]. **Versions** [LWPF12, PS12]. **Versus** [DDR+16, NNA10, ABJ13, Svo14]. **Very** [BFM12, SBM15, YT16, Jou13, Kum10]. **Via** [ADR18, BSCTV17, ABC+18, AHG18, BHKN13, BCI+13, BCG19, BR14, Bul18, CBRZ19, CDSLY14, CFG+17, CLW16, DM19, GT12, GST13, GVW12, Gre19b, HFW+19, JHW+19, KKK+18a, LT13, LT14b, LFH18, LH14, LEW19, LLKA19, MH14, Mor19b, PV17, PTK14, QZDJ16, RS10, SE16, SSAF11, SKEG14, TBCB15, WSS+19, tWmC12, YWF18, Yon11, ZOC10, ZCZQ19, Zim10]. **Vice** [LMS10]. **Vichy** [Kap11]. **Vicious** [NN15]. **victory** [Pea11]. **Video** [BWR12a, BSA+19, DG17, GKSB17, JSZS12, OŚ12, TWZ+12, WLZL12, YE12, YT12, YTF+18, Cri16, LLHS12, LK10, MK11, OCDG11, PMG19a, XWZW16]. **Video-based** [YTF+18]. **Videos** [AAA+19, GZH17, JSCM17]. **Vietnam** [ABJ13]. **View** [RS16, TWZ+12, YCM+13, ZGC16, CWZL13]. **View-Invariant** [RS16]. **Viewpoint** [BMDT19]. **Views** [VGA15, TG12]. **Virtual** [BCKP17, BR14, Cou12a, HB17, LBC18, RY10, VDO14, CDA14]. **Virtualization** [CDD13, RC18, QZDJ16]. **Virtualization-Based** [CDD13, QZDJ16]. **Virus** [WOLP15]. **visibility** [FG19]. **Visible** [Cas10, HWYW14, LZC+12b, PCK19, WZLW13, Lin14a]. **vision** [BSW12, LWW+10]. **Vista** [FG19]. **Visual** [BNA15, CSW12, GLW12, HHS+15, KU14, KS15, Lal14, LPL15, LWL10b, LGWY12, LMHH14, LTC+15b, OTO18, SA16a, SC10, Shy15, TWNC18, WY12, Yam12, ZXZ+11, CT11b, CSTR16, DDD14, DD13, GJJ18, GLW13, HT11, LWL10a, MSM+18b, WYK12, WS12, YSC16, YR11]. **Visualizing** [Sav15]. **VLSI** [KB10]. **VMOR** [MSI18]. **Vocal** [LCR+18]. **Voice** [JTZ+16, LCR+18, WBC+10, LFGCGCRP14, TJZF12]. **Voice-over-IP** [TJZF12]. **VoIP** [BGAD12, Cla18, Maz13, SS10a, VGL14, ZTZ16]. **VoIP/IMS** [VGL14]. **Volatile** [AMH+16, JSA17, RM18, SM18, XZL+19, YNQ15, CS11]. **voltage** [BBBP13]. **VoltKey** [LKBK19]. **volume** [WLDB11]. **voluntary** [WGJT10]. **Voting** [Ber16b, CFE16, CRST15, CEL+19, KV18, LHF12, LGPRH14, RST15a, RST15b, Sch10, KZZ17]. **Voynich** [Ano16e, Bax14]. **VPCLMULQDQ** [DGK18]. **VPMADD** [KG19]. **VQAP** [TWNC18]. **VR** [WSS+19]. **vs** [Bur11, FKOV15, Mar10b]. **Vulnerabilities** [BKJP12, HSUS11, MAS16, PDT12, RY10]. **Vulnerability** [MKN13, TM12, VKC15, Wal18, Ano17f, DMWS12, MYYR13]. **Vulnerable** [Ano15d]. **vVote** [CRST15].

W [Mar10a, Xie12a, Xie12b, Hül13]. **W-OTS** [Hül13]. **WA** [LCK11]. **Waknaghat** [CGB+10]. **Walker** [Xie12a, Xie12b]. **Wallets** [Chi13b]. **Wallis** [Wes16]. **Wan** [RSD19]. **wants** [Nor17]. **War** [Has16, Mun17, Bud16, Car11, Smi11a]. **Warbler** [MFG16]. **Warm** [MCL+19]. **warriors** [Bud16]. **wartime**

[McK10, McK11]. **Was** [Tur18, Goo12, LHA+12b]. **Watching** [NSP+18]. **Watermark** [CHHW12, DLMM+18, EMW14, FR15, GRRZ18, Jin10, KBL11, LZC+12b, MCDB12, QJC+18, SJ12, YE12, ZS12, HB13, TLL13, WYL13]. **Watermark-Based** [GRRZ18]. **Watermark-Driven** [DLMM+18]. **Watermarking** [AAA+19, BCGAPM12, BF12, BCPV11, BDB14, BCG10, BBM15, CG12b, CHHW12, CCZC13, CHN+18, DG17, FM15, Fra15, Fra16, GKSB17, GP17, HPC10, HEK18, HD19, HGT15, HHMK14, JSZS12, Joh10, JKHeY12, KD12a, LSL12b, LLY+18, LP12, LD13, MM17a, MR16, MU12, NGAuHQ16, NC12, NXH+17, pNyWyY+14, OWHS12, RS16, RP12, RR11, RMG18, SAA15, SLGZ12, SS17b, SSA13, TB18, TWZ+12, TC10, WHZ12, WLZL12, WYW+13, gWpNyY+14, WXL+17, yWXyZ+18, WK18, tWmC12, XNG+14, XNRG15, XNP+18, YWNW15, YPRI17, YKK18, YYO15, ZXZ+11, ZWWW17, ZWZ17a, ZWZ17b, ZHS10, AP10, AIA+18a, AIA+18b, AIM+19, AM19, AMK12, BWR12b, BW13, BWA13, CCLL11, CT11a, CSS+13, GZHD12, GA11, HAK19, HKA+18, HURU11, HKB14, HWYW14, HPL+19, JK13, KMG17, KPS10, KJN+16, KM11, LSR13, LXCM11, LLHS12, Lin14a, LWY12, MMSD13, MM14a, MO14, MK11]. **watermarking** [NC13, PTK14, PWLL13, PWW10, PGLL10, PKS18, PC14, PPR+12, RS17c, SKS+18, Tay14, TK14, TTL10, TPKT12, WLDB11, yWpNyL11, Wan13, yWpWyYpN13, WZLW13, YWT+12, ZZKA17, ZSMS18]. **Watermarking-Encryption** [SLGZ12]. **Watermarks** [GL10, YT12]. **WAVE** [BMM12]. **WAVE-enabled** [BMM12]. **Wavelet** [AGW15, KTM19, LSL12b, MR16, Ara13, AMK12, BW13, LXCM11, MO14, ST15, yWpNyL11]. **Wavelet-Domain** [MR16]. **wavelets** [MMSD13]. **Way** [BHT18, CBJX19, CPS16, DSMM14, Mat14, WCXZ17, HRV10, Kom18, LP11, LM14, RK11, SCBL16]. **ways** [MSL13]. **WBAN** [KS18b, XXCY19]. **WBANs** [KIH19, OSP+19]. **Weak** [BF11, DY13, HFH16, HDWH12, HLC+19, PYM+15, Pud12, BH19, GJMP15, RH10]. **Weakening** [SFKR15]. **Weaker** [Sas12, Wan18b]. **Weakness** [AMORH13]. **weaknesses** [Nos11, Nos14]. **weapon** [Zet14]. **Wear** [LY15]. **Wear-leveling** [LY15]. **Wearable** [ASV+18, ATC17, BCTPL16, DM19, GWP+19, LCR+18, SSP19, XJR+17, GTSS19, LIK+17]. **Wearout** [DFKC17]. **web** [GPN+12, IMB17, KRM+10, KGO10, MWW+18, YYK+19, ATKH+17, BS12, BKJP12, CLB19, CTC+15, CFST17, CD12, DR11, Fra16, HSC19, HGOZ19, HCM11, HVP+18, NDSA17, QF19, SP15a, SPM+13, ZGC16]. **Web-Based** [CD12]. **web-content** [GPN+12]. **WebCallerID** [HCM11]. **Website** [Boy16]. **Websites** [RS11]. **Webster** [Pea11]. **WECSR** [DDS12]. **Wei** [SBS+12]. **Weierstrass** [LL11]. **Weight** [SWF+19, ÖŞ11]. **Weighted** [YLL+12, YTH17]. **Welchman** [GW14]. **Well** [JCM12]. **were** [McK10, McK11]. **Western** [Han12]. **WG** [GLIC10, DJG+15, ERRMG15, ZAG19]. **WG-** [ERRMG15]. **WG-16** [ZAG19]. **Where** [CMG+18]. **Wherefore** [BDK11]. **whether** [Bar19]. **while** [Nor17]. **Whit** [LHA+12b]. **White** [BW16, BCGN16, LYL+18, Mic10b, SWF+19, DD13, YSC16, ZSW+18a]. **White-Box** [BW16, BCGN16, LYL+18, Mic10b, SWF+19, ZSW+18a]. **Whitfield** [Hof16]. **who** [Bat10, Bha16, Car11, Fag17, GSGM16, Hea15, Kap13, McK10, McK11, McK12, Moo14, XTK10]. **wi** [BMDT19]. **wi-fi** [BMDT19]. **Wicked** [SGH15]. **Widespread** [HDWH12, HFH16]. **width** [Kre13]. **width-** [Kre13]. **Wiener** [Kuz11].

Wigner [TC10]. **Wild** [ASV+18, HREJ14]. **wildcard** [HH16]. **wildcards** [DA18]. **Wilderness** [Acz11]. **Will** [Mos18, Dya19, Fai19, Nor17, Pec17]. **win** [Smi11a]. **Window** [TX16, Khl18, Win17, YWYZ12]. **windows** [BBG+17]. **Wine** [Che17]. **Wineskin** [Che17]. **wins** [Ano16i]. **wire** [ADG16, ZZCJ14]. **wire-tap** [ADG16]. **Wireless** [ABC+17, BN14, BOB13, BCG10, CBO+18, CKHP19, CS14, DPCM16, DS11, FLH13, HZC+12, HBCC13, KH10, LLC11, LHM+15, LZCK14, LWCJ14, LLZ+12, NNAM10, PSM+18, PCPK14, RCW15, RSD19, RWLL14, SWYP12, SP15b, TCN+17, YM16, ZLDD12, APK+18, AIB+16, AIKC18, ADF12, BNNH19, BLAN+16, BEB+18, BBB16b, CDGC12, CML+18, CLSW12, CL11, DSCS12, HKA+18, HGWY11, HZC+14, HZWW17, HCCC11, HTC+10, HLYS14, JNUH17, JMW+16, KP18, KO16, KLW+16, KDW+17, LC17, LMJC11, LNNH13, LIK+17, LNK+18b, LZZ19b, NDNR13, PL16, PY19, QMW17, RR17, SA12, SGJ+18, SZMK13, SM19b, SCKH10, SKK10, TKHK14, Wan13, WW14, WMC17, WXK+17, XHCH14, XMHD13, YHHS16, ZYGT17, ZYGY18, ZBR11, ZCLL14, ZLDD14, ZHH+17]. **Wireless-Charging-Based** [CKHP19]. **wiretap** [BCDN17]. **wiretapping** [Lan10]. **Wiring** [HTZR12]. **Wise** [CG14a, SSA13]. **WISP** [PPH12]. **Withholding** [BRS17]. **within** [HSC19, KLN15]. **Without** [ASS15, CCL+13, FZT14, GSW+16, GKS17, LTC+15b, NA10a, XLQ09, YLA+13, ARM15a, AZH11, BT12, BF11, BGV14, CCW+10, CJL16, CFG+17, DCA18, FSX12a, GH11a, GST12, GLM+16, HDPC13, ISC+16, KZZ17, LLY15, LGWY12, Par18, RG10, SYL13, SLZ12, TAKS10, WWYY11, XQL11, XHM14, YS12, YKC+11, YFK+12, ZY17b, ZYM18]. **Witness** [CXWT19, GGHW17]. **Witness-based** [CXWT19]. **WLAN** [KAHKB17]. **woman** [Fag17]. **Women** [Abb12, Hea15, McK10, McK11, McK12, Mun17]. **Word** [WW12, SCR19b]. **word-independent** [SCR19b]. **Word-Oriented** [WW12]. **Words** [GdM16, KM10a, SAM+19b]. **Work** [Gol19, RS11, Shp10, Tay14, BG14, HPJ+19, Sch15a]. **workbench** [CFH+13]. **workflows** [BPP10]. **working** [Wat14b]. **Workload** [BCO13]. **Workshop** [MV12, Sen10, Yan11]. **Workshops** [DDS12]. **World** [Ano16j, Ano17d, ABL+18, BFK16, BPS16, BLU+15, Col17, FKS+13, KM10c, LLK18, MDMJ17, Tom16, Con12, GIJ+12, Goo12, LCKBJ12, Pec17, Pet11, Rom11, Sch15c, Zet14, Mun17]. **world-class** [Goo12]. **Worm** [CWXW16, WWC+11]. **Worst** [BIKK14]. **would** [McG11]. **Wrapped** [KM15, KM16]. **Write** [LLPY19, YNQ15, ZHZ+19]. **Write-Efficient** [YNQ15]. **Writing** [DKL+19, LT14b]. **wrong** [LHA+12b, UK18]. **WSN** [DL12, JLZ18]. **WSNs** [ARWK19, ABB19a, YLSZ19, ZYL+10]. **Wu** [LLLK10]. **WW2** [Don14]. **Wyner** [ADG16].

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