A Complete Bibliography of *Computers and Security*, 2010–2019

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22 January 2022
Version 1.01

Title word cross-reference

3 [MGYC18, NCS14, PYLL19, Woo19]. ^{2} [CDE+11]. $_{\text{ABC}}$ [GMGTdFR14b]. $_{ERBAC}$ [AIRC13]. C [HLB19]. D [DLH+17]. E^2 [CDE+11]. G [GSZX18]. K [TFPC10, JLPJ18, NG14, XMY+17, ZZC17]. l [MC18]. n [ORLS14]. O^2 [FKSK19]. R [DLH+17]. τ [ARG+17].

-Anonymity [NG14]. **-diversity** [MC18]. **-gram** [ORLS14]. **-means** [TFPC10]. **-nearest** [XMY+17]. **-NN** [ZZC17]. **-safety** [ARG+17]. **-Trustee** [JLPJ18].

10-year [BB11]. **131-3** [AM18a].

2 [TH18]. **2010** [Ano10-33, Ano10-35, Ano10-34, Ano10-38, Ano10-37, Ano10-36]. **2010-2012** [Cho13b]. **2011** [Ano11y, Ano11z, Ano11-27, Ano11-29, Ano11-28]. **2012**

[Ano12w, Ano12z, Ano12-27, Ano12x, Ano12y, Ano12-29, Ano12-28]. **2013** [Ano13-27, Ano13-28, Ano13y, Ano13-29, Ano13z]. **2014** [Ano14t, Ano14x, Ano14u, Ano14w, Ano14v, Ano14y]. **2015** [Ano15y, Ano15z, Ano15x, Ano15v, Ano15t, Ano15w, Ano15u]. **2016** [Ano16t, Ano16s, Ano16v, Ano16u, Ano16q, Ano16w, Ano16r, Ano16x]. **2017** [Ano17p, Ano17s, Ano17q, Ano17t, Ano17r, Ano17o, Ano17u]. **2018** [Ano18q, Ano18l, Ano18k, Ano18m, Ano18p, Ano18n, Ano18j, Ano18o]. **2019** [Ano19j, Ano19p, Ano19m, Ano19o, Ano19n, Ano19k, Ano19l, Ano19q]. **28th** [Ano15i].

3-state [ZLW+15]. **30/8** [Spa11d]. **30th** [HF17]. **3G** [XN14].

5G [FYL+17, MPCK18].

6LoWPAN [MA17].

7 [Ano11-30, SCB+13].

802.16m [FZZ+12].

A-PANDDE [FB19]. **ABE** [OSNZ19]. **ability** [YGX+19]. **Abnormal** [ZZ19]. **Abstract** [ZLLL12]. **abuse** [CKA+17]. **abuses** [CWY+12]. **abusive** [PBR11]. **academic** [AAMDGR18]. **accelerators** [KKJ+16]. **acceptable** [RMW10]. **acceptance** [SYK14]. **Access** [ADF+10, DMR19, Lop16, PG19, SRDD13, SSAK12, AAD+12, ARL13, AAC+19, BRH15, BJ13, BHC18, BR17, BCD+10, BSL19, CHK+19, CFH+11, CIS17, CDS+19, CZH+14, GM12, GSZX18, HK17, JJ12, JJ14, KBAL13, KS14, LKJ14, LML+16, LC15, MDHM18, MZZ+18, MT19, PZ15, PMDM10b, PMDM10a, RLB+11, RR17, SMP13, SAL12, SSVA13, SC19, SSVA19, SYGR11, UPF17, ZHZ+15]. **AccessMiner** [FLBK15]. **account** [BLS+16, KK16, SC19]. **accountability** [NFGL16]. **accuracy** [MMF19]. **Achieving** [DYL+14, LZ19, XLT+17]. **Ack** [AH13]. **Acknowledgement** [Ano18r]. **Acknowledgment** [Ano19r]. **acoustic** [DHZ19]. **across** [DPP15]. **action** [GHÁGGT18, KMW19, LSKF12]. **actionable** [CAY+18]. **actions** [AM18b, dVM15]. **Active** [HWS+13, VSB+19, Den14, ZHZ+15]. **activities** [BHDA14, HA14, Kha12, ZYRZ16]. **activity** [BFTJ18, DB13, LLK16, RR14]. **actors** [LCMF18]. **actuator** [hBCK17]. **ad** [BRA18, HZMH18, MJBKZ15, SRU18, Su10, XPS11, ZY11, Ano12s]. **ad-hoc** [BRA18, HZMH18]. **adaptation** [MCRB19, RNdP17]. **Adaptive** [PHMN16, SLP13, AAR+18, BJ13, CFSF18, DRN16, EE15, MSV12, PPdCL17, RB14, TVPV19]. **addition** [HDK18]. **address** [LKPK18]. **addresses** [CBL10]. **Addressing** [LWZ+17, MR11]. **adjustable** [BWR12]. **ADLES** [dLGHK18]. **administration** [GHL+17]. **administrative** [JSVA14, SSVA13, SYGR11]. **administrator** [ZH13]. **ADOPT** [MJBKZ15].

adoption [HOVB17, MT17, QFG12, SWS15, UPSGF+14]. **ADS** [HS18, LWS+19]. **ADS-B** [HS18, LWS+19]. **Advanced** [FB19, AWDB19, FSSF15, LCMF18, SKLD14, TAP18, XN14]. **Advances** [XHZ11, CBGN18, IAA+19]. **advantage** [ABS14]. **Adversarial** [RSLH19, CXF+18, CSS+19, HM19, KKP+18]. **adversary** [DC16, DMC19, OSNZ19]. **advertisers** [CKA+17]. **aerial** [MK19]. **AES** [ZGZ+13]. **affect** [DM19]. **affecting** [PKWP19, Ven18]. **affects** [KMW19]. **Affordable** [KN14]. **aftermath** [PCP+18]. **Against** [VG14, ADAMH17, BD18, CWCC12, DCC+18, DLB+19, HBT+19, KN14, LDC13, LLL+18, MBP19, Med18, NKL+18, OSNZ19, RDAS19, hRKRR13, SCLD19, SLP13, SP15, SKTO13, SSY12, TH18, WP12, YG18, YWL+17, ZZ12, ZLC13]. **age** [OM13, TR18]. **agent** [HR13]. **agent-based** [HR13]. **agents** [ABR18, CP18]. **aggregatable** [dFGMTPL17]. **aggregation** [KNX18, KP18, MWAG16, RR17, ZYWZ14]. **aggressive** [BMMP18]. **agnostic** [HSPX14]. **agreement** [GMLZ11, HWB10, Kar12, MK11]. **Aided** [Gop19]. **AIDIS** [LJS19]. **Aims** [Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano10z, Ano10-27, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x]. **air** [GB19, GB19]. **air-gap** [GB19]. **aIR-Jumper** [GB19]. **alarm** [DVC18, LMLK16, TFPC10]. **alert** [LSA+19, SHGH+15, SK13, dABM+18]. **algebraic** [ZGZ+13]. **algorithm** [ASO19, BK19, CBL+19, CSS+19, CSXL15, DYT+13, EE15, HS18, HDT+19, MLM17, MZJ+12, RAA15, SD17, SMC+18, TFPC10, VPNP18, VDK18, YCJ12, Zin15]. **algorithms** [BSL19, CAM+19b, LK10, SCGM14, XXLZ18]. **Allocation** [RW13]. **allowing** [JvOW11]. **altering** [XdZMsC18]. **AMAL** [MAM15]. **amplification** [AKK+13, SMB16]. **AMTRAC** [SSVA13]. **analyses** [MA17]. **analysing** [ELG+17]. **Analysis** [AM17a, CGGFGMF19, FAS+17, GOB11, LMNM+19, MG12, ÖTC16, SYK14, SS13, UAK16, AKFM18, AOR18, AHTS15, ABP16, AGSR+18, ALF+18, AG14, BHC15, BBD+19, BPA+11, BS17, CDKR18, CGPP11, CGPP12, COS19, CCM+15, CAL15, CKT11, Coh10, CC14, CWGD15, DPPB17a, DPPB17b, DDYZ14, DJP17, FNE19, Gar13, GSA18, GAA18, GHDGRLM17, GCC18, HBBM16, HCRMBG17, JKC+13, JSVA14, KGSN17, KHG17, Kha12, KPKS15, KKK18, KPD15, KSW16, LWS+18, LK18, LLYD15, LXDW16, LPL18, LCZ17, LJJL15, MW11, MVD19, MJW+18, MP18, MAM15, MB18, MSA11, MAC17, MBSR18, NNG+18, NLC+19, NAMX14, OP11, OM19, ORLS14, PF10, PK17, RM17, SS11, SJCM17, SPFB19, STCM+14, SPYG15, SHGH+15, SS18b, SEJ10, SKG17, SPD+15, SPR18, SYGR11, SHB12, TdHRZ17, UAB19, VEPZ15, WRTA17, WZW+10, WLCC17, WA19, Yad19]. **analysis** [YSN+19, YCH18, ZMYB17, ZBBO15, ZBB17, ZTS+13, ZCZ+19, ZW14, ZLW+15]. **analytic** [WLW+19]. **analytics** [MAZAS17, PCCM16, QAR+17]. **analyze** [JKC+13, STSB17]. **analyzed** [WCDY18]. **Analyzing** [AYY+17, CLS17, KLN15, SCB+13, TKK15, HLFZ16, ZWNM19]. **Anatomy** [SCRA17]. **Andro** [wJKW+16]. **Andro-Dumpsys** [wJKW+16].

AndroDialysis [FAS+17]. **Android** [AQR+17, AGSR+18, AMMV13, BM19, BRH15, BSTT16, BJJ+17, CMV16, DLH+17, DMC15, ESY+15, FSZ+17, FHL14, FAS+17, GFKS15, HAHZ+18, IRC+17, JLK16, LW12a, LLCT13, LLG18, MPM15, MAC+15, MTC+18, NNG+18, NSGF16, NVAJ19, NAMX14, OM19, PSK+17, RFB17, SMM+19, SLS+18, TXM+19, WCDY18, ZBB17, ZTC19, Zhu18]. **annotations** [EHBH+16]. **Announcement** [Ano12a, Ano18a]. **anomalies** [CGP17, CYLL17, GTDVTSH15, MAC17]. **anomalous** [HS18, LJS19]. **Anomaly** [hBCK17, MSRF18, AYT+14, AP13, CGPP11, CGPP12, CPVGTMF16, CAM+18, DC11, GCD19, LWS+18, MPORBR12, MLH+18, PF10, PCCM16, SCGM14, SBW10, Su10, UPSGF+14, VEPZ15, ZNAHK11, FB19]. **anomaly-based** [AYT+14, SBW10]. **anomaly-detection** [SCGM14]. **anonymisation** [SWLZ11]. **anonymised** [Jän14]. **Anonymity** [NG14, BGR11, DAR14, FHF15, GH15, LLY17, PK17]. **Anonymization** [SVA10, GL18, JLPJ18]. **Anonymizing** [ANAT15, WL18]. **Anonymous** [APMCR13, SYWX19, Gop19, Hor16, LSQ15, YAXY19]. **Anti** [Ano14s, wJKW+16, AAT16, JJL+19, KYZ15, RB12]. **anti-emulation** [JJL+19]. **anti-forensic** [RB12]. **Anti-malware** [wJKW+16, AAT16]. **Anti-virus** [Ano14s, KYZ15]. **anticipated** [Ver18]. **Apache** [WJAM11]. **APFS** [SLP13]. **API** [SMM+19, WA19, ZQY+19]. **API-related** [SMM+19]. **app** [BRH15, BJJ+17, CGLP18, HSR19, NGSV16]. **app-based** [NGSV16]. **applicability** [MB18]. **applicable** [Ano17l, Ano17m, Ano17n, Ano18i]. **Application** [PGdCL16, SC19, SSK17, AAL16, CWGD15, GOGG19, RAA+14, SMP13, STCM+14, WA19, XNP16]. **application-oriented** [SMP13]. **Applications** [DPPB17a, APMCR13, ALRC12, BM19, BSTT16, BBD+19, BHCTR12, EHBH+16, FSZ+17, FXC18, GJJ18, GFKS15, HZG19, HZG20, JK19b, LLL15, LLCT13, LSQ15, NSGF16, NAMX14, OSP+19, PAJAP15, SBK12, SSAK12, SDM+18, SMA+18, SBS+18, TXM+19, TMP15, YCH18, ZBB17, Zhu18]. **applied** [CAM+18, DMC19, DJP17, HDT+19, MPPCFG+12, OPHC16, PPdCL17]. **Applying** [Kar12, NML19]. **Approach** [Pal10, AKFM18, AYT+14, ADWM18, AW18, BPA+11, BOZL13, CM17, CDS+19, CXF+18, CAM+19b, CWCC12, CLF17, DPP15, DMR19, DLLS19, GFKS15, GWWS19, GGBT16, GHÁGGT18, GWWW19, GCC18, HK13, HR13, HA14, HWX+19, HPF+16, HZG19, HZG20, HZH+18, IGS17, JKA+18, JGM+13, KK17, LSC14, LWS+18, MCY+18, MZZ+18, RDAS19, RAA+14, RB11, SSTG12, SPK17, SOG15, SBE17, lTLqZqC19, TC11, WZK13, WLZ+19, WLF+19, YLW+19, ZjHtMhBs12, ZW19, ZGD19, Zin15, SG15a]. **Approaches** [STSB17, BCD+10, WWXZ18]. **apps** [HAHZ+18, JLK16]. **Apriori** [CSXL15]. **arbitrary** [ARG+17]. **architects** [JSWZ11]. **Architectural** [YLB+17]. **architecture** [AGL12, CM19, CY16, CAM+18, FYL+17, GK14, PAP+17, PDB14,

RRK+17, RV13, RVEK10, RM17, TVPV19, dCGÜ+17]. **Architectures** [IH19, OS17, XPS11]. **archiving** [VBC+15]. **area** [FPS11, XXLZ18]. **ARES** [Ano15s]. **ArOMA** [SBZD17]. **arrangements** [BTM14]. **arrivals** [dSFK16]. **art** [GJ18, NCGE15, SMP13]. **Artifacts** [LW12d, RAMR17]. **ASMSA** [Pal10]. **aspect** [AGSR+18]. **aspect-oriented** [AGSR+18]. **Aspects** [PMB+14, PCP+17, FC12]. **Assessing** [KKS13, LSSK16, NPP17, SBL19, TS13, BM17b, DM19, LMG18]. **Assessment** [GPGV16, TKG10, ANMN19, AAH+18, BPG+19, BRM+18, CBB+16, DE10, HBFJ19, HSW17, KBAL13, KBM16, MCT+17, MMJ14, MTT+16, MM17, NZGH16, RFB17, SCRA17, SSCHL14, SSABC16, SOG15, SG10b, WHZ+18]. **assistant** [TXM+19]. **assisted** [DHZ19, WRTA17]. **association** [DYT+13]. **assurance** [CSBW18, CHRI16, HSW17, PMDM10a, SGK+16]. **atomic** [CC14]. **Attack** [Kam19, NADZ18, YG18, AKFM18, AKK+13, BD18, BM17b, CAM19a, DT19, DWF+19, DLB+19, ELG+17, EM19, FNE19, GSA18, GGBT16, GSL+19, HT17, JLPJ18, Kal19, KJP+19, KKP+18, LDB18, LXDW16, LWS+19, MW11, MA17, Med18, MJW+18, MLV16, NDP18, NTK+19, ORLS14, PNKK17, PHMN16, RAA15, RAA+14, SGLC16, SP15, SHGH+15, SMB16, TC11, TP18, WZK13, XdZMsC18, ZjHtMhBs12, ZW19]. **attack-resilient** [JLPJ18]. **attacker** [KKK18, bORF+15]. **attackers** [DLB+19, KK10a]. **Attacking** [XN14]. **Attacks** [Bay12a, GFN11, HZG19, HZG20, AH13, AF14, ADAMH17, AYT+14, AAL16, AHGC19, BSMT14, CMPR15, CXF+18, CSS+19, CWCC12, DCC+18, DSNH17, EGM10, FRRP17, GJ18, GHDGRLM17, HK13, HR13, HL18, HAGTdFR13, JLGM19, JC14, JCD+15, JJA13, JCD14, KPS16, KK10b, KPKS15, KN14, LDC13, LAVK19, Len12, LLL+18, LLD+19, MBP19, MAC+15, MPCK18, MK19, MMJ14, NYE17, NT18, NKL+18, PTM+18, RDAS19, RB12, Ril13, hRKRR13, Rru16, SCLD19, SLP13, SSK16, SSK17, SKTO13, TTCB18, TUB16, TR18, TCNFW16, TH18, VC12, WLZ+19, WP12, YWL+17, ZTL+19, ZGZ+13, ZJK+17, ZLK10, ZLC13]. **Attention** [YLW+19, YSN+19]. **Attention-based** [YLW+19]. **attestation** [TTJ19]. **attitude** [GGV18]. **attitudes** [Kok17, SWS15]. **attractors** [SDM+18]. **attribute** [Bay13, BTK15, LZCX18, LAHV17, SSVA19, WLWG11]. **attribute-based** [LZCX18, LAHV17, SSVA19, WLWG11]. **attributes** [WL18]. **attribution** [ZTC19]. **auction** [DJP17, SYCS11]. **auctions** [Len12, ML14]. **Audio** [SG10b, HZH+18, LNK16, YWYZ12]. **auditable** [DMR19, PMP19]. **auditing** [LXH+18]. **auditors** [JSWZ11]. **audits** [PWL+19]. **augmentation** [GWWW19]. **augmenting** [NPP17]. **August** [Ano16t, Ano18q, Ano19p]. **Aura** [HFCR13]. **Australian** [BCK19, DPP15]. **Austrian** [ZS15]. **authenticated** [ABR15, HWB10, JKA+18]. **authenticating** [Bel18, RR16]. **Authentication** [HFCR13, KLN15, NSBM17, SPK17, TWNC18, ARL13, APMCR13, ACC+13, BOP14, BD18, CAM19a, CRS13, DRN16, FHM+10, FZZ+12,

GEAHR11, GH15, Gop19, GMMJ11, GBC19, HW19, HHBS18, HK17, HL12, IAA+19, KS19, LNNH13, LSQ15, MMLN15, MDHM18, MCRB19, NDSA17, NM18, NML19, NXS10, NMX15, OSP+19, QLZ19, RR17, SCFB15, SK18, SSNS15, SYWX19, SNG+17, SCR19, SMS+16, TZTC16, VSB+19, YI17].
authenticity [VBC+15]. **authority** [JWB16, LML+16]. **Authorization** [LJJL15, ZDBW11, AP14, FHM+10, JMGW17, JAH+11, UFF15]. **authorizing** [Bel18]. **Authorship** [PSMG18]. **Auto** [NNNQ18]. **Auto-detection** [NNNQ18]. **Automated** [CXF+18, DF16, GAA18, MVK16, Pal10, dRMC+16, BLR17, GMMJ11, Hol12, LMS14, MAM15, SCLD19, SHB12]. **Automatic** [AHP18, DBH17, GTDVTSH15, KCB13, VG14, WWY+18, CDS+19, NRM19]. **Automatically** [ELG+17, LHI+19]. **Automating** [AQR+17]. **automation** [EMWE19, HT12a, PHP19, TTCB18]. **automaton** [WLZ+19]. **automotive** [CSBW18]. **autonomic** [SBZD17, ZNAHK11]. **Autonomous** [HYLY19, DFC13, DFCC16, GHDGRLM17, SMS+16]. **Autonomously** [BVWM19]. **autonomy** [JL10, LLY17]. **AutoPrivacy** [WWY+18]. **availability** [TFE10]. **available** [LCMF18, UB12]. **avoid** [DPP15]. **avoidance** [AM18b, MHS17, Su10]. **aware** [ARL13, BAH18, BOZL13, CHK+19, GWKFC19, ODB18, PHP19, RFGL18, RVEK10, SRDD13, SRU18, WLZ+19]. **awareness** [AH10, AFF14, BBC17, BFS+18, FE16, FB14, HPJ+19, JvS17, KDC+14, KAF17, KvS10, MKG13, ÖTC16, PMB+14, TRB18, TZZG13, TKK15, WAMS14].

B [HS18, LWS+19]. **B3G** [NXS10]. **BACI** [AAC+19]. **back** [CAM+18]. **backbone** [MPORBR12]. **backup** [JL10]. **balance** [SS11]. **balancing** [BGR11, MKP12]. **bandwidth** [AKJR14]. **Bank** [CWCC12]. **banking** [BGL18, CCM+15, GWWS19, GMMJ11]. **banks** [BBC17]. **BankSealer** [CCM+15]. **bargaining** [GCC18]. **Based** [GMGTdFR14b, SRDD13, AR17, ARL13, ATAAd18, AAC+19, AYT+14, AKP14, ABR18, ATG11, ACC+13, AAL16, AW18, AGL12, AP13, BK19, BD16, BRH15, hBCK17, BD18, BHC18, BLR17, BTK15, BL15, BSL19, CPVGTMF16, CMV16, CFH+11, CM17, CVS18, CIS17, CJA+19, CLL+13, CSXL15, CAM+19b, CKJ+17, DSNH17, DT19, DC11, DMR19, DAR14, DYT+13, DDYZ14, DXCL18, DLLS19, DWZ19, EGM10, EE15, EM19, FB19, FSZ+17, FHL14, FNE19, FLBK15, FYL+17, FXC18, FHF15, FRRP17, GOB11, GWWS19, GWKFC19, GHÁGGT18, GBC19, HB18, HDK18, HR13, HW19, HHBS18, HXW+19, HBFJ19, HBF13, HDMKS10, HWB10, HA15, HYZ18, HYLY19, IGS17, JKC+13, wJKW+16, JWZX19, JJA13, JJ12, JJ14, KTCS19, KK10a, KHG17, KMM13, KJKM11, KKK18, KP18, KTG+18, KKM19, KKS13, LMM+12, Len12, LHM13, LMLK16, LZCX18, LWS+19]. **based** [LMLL19, LHI+19, LLX+17, LLHT13, LC15, LGS14, LAHV17, MFCMC+18, MKP12, MLK14, MLKC17, MCRB19, MPPS10, MAM15, MKG16, NSFB15, NCS14, NGSV16, NM18, NYE17, NMX15, ÖB15, Par18, PWWY14, PYLL19,

PK17, PMP19, QHW+19, QLZ19, RG19, RP19, RD19, RB14, RB11, RSLH19, RWS+19, hRKRR13, SD17, SS16, SS17a, SBZD17, SERF12, SFK15, SK18, SP15, SAL12, SSVA13, SYK14, SMC+18, SVA10, SSK19, SSVA19, SPK17, SOG15, SBW10, SSY12, SKG17, SYGR11, SMA+18, Sul19, SMK18b, lTLqZqC19, TUB16, TKG10, THA+13, TDJB18, USB17, VDK18, VVS12, WLWG11, WN15, WW15, WLCC17, WL18, WLZ+19, WHZ+18, WW18, XXLZ18, XSD19, YCJ12, YYL+15, YLW+19, YLN+19, YXD+11, ZLLL12, qZLxCjY17, ZQY+19, ZTL+19, ZZ19, ZTS+13, ZGZ+13, ZY14, ZjHtMhBs12, ZWX+19, ZLC13, ZGD19, ZZZY13, ZW14, ZH13, ZHB+13, ZLW19]. **Basics** [Mic12a, Wed12]. **batch** [HYLY19]. **Bayesian** [Kha12]. **be** [HDT+19]. **begins** [TMW17]. **Behavior** [HBF13, BRH15, DDYZ14, DXCL18, GGV18, GBC+18, Guo13, HSL19, Ifi12, KLN15, LMNM+19, LJS19, MAM15, MBAE+11, ÖTC16, Pad12, PRS13, SS18a, STCM+14, SPYG15, SWS15, Sil19, SPK17, TMW17, TRB18, VSB+19, ZZ19, ZTS+13, ZH13]. **Behavior-based** [HBF13, MAM15]. **behavioral** [BOP14, CAM19a, CJL+13, FAE14, KKK18, MMCA11, PC12]. **behaviorist** [Wor10]. **behaviors** [AAA19, DM19, FSZ+17, HNSD18, JLK16, ySTJA+16, Ver18, ZMYB17]. **Behaviour** [NF15, AH10, FanE+18, KK16, Kok17, SSS+15]. **behavioural** [DPPB17a]. **behaviours** [ACS+18, BGL18, ESCAM17, MLKC17]. **behind** [SB14]. **belong** [SW19]. **benchmark** [GDR15, SSTG12]. **bending** [LW19]. **benefit** [WZK13]. **best** [MM15a, CJA+19]. **better** [BBC17, BCRAA13]. **between** [BLR17, GMMP18, JGLE16, JSWZ11, MCG19, SS11]. **Beyond** [JvS17]. **bias** [MM17]. **bias-free** [MM17]. **biases** [TKK15]. **Bible** [LW12e]. **bid** [ML14, SYCS11]. **Big** [CGGFGMF19, CBL+19, LCZ17, LZ19, MCY+18]. **bigram** [HDK18]. **bilateral** [HKK17]. **billing** [Sul19]. **bimodal** [LNK16]. **binary** [YYL+15, ZLW+15, ZWNM19]. **binding** [HZG19, HZG20, NNNQ18]. **Bio** [BCRAA13, ZHL+11]. **bio-cryptographic** [ZHL+11]. **Bio-Hashed** [BCRAA13]. **biometric** [AAJ12, GBC19, PPdCL17, SS17a, YST+19]. **biometric-based** [GBC19]. **biometric-enabled** [YST+19]. **biometrics** [BOP14, BD16, ICRB14, RB14, SS16, SCFB15, SSY12]. **biometrics-based** [BD16]. **birthmark** [ZLLL12]. **Bitcoin** [CGR18, SBL19]. **BitTorrent** [AKJR14, SFK15]. **black** [CSS+19]. **black-box** [CSS+19]. **blacklistable** [YAXY19]. **blacklisting** [DM17]. **block** [DWF+19]. **Blockchain** [AAC+19, CJA+19, NML19, ZLW19, DMR19, HHBS18, HYLY19, KKM19, PMP19, YLN+19, ZWX+19]. **Blockchain-based** [CJA+19, ZLW19, HHBS18, HYLY19]. **Blockchain-enabled** [NML19]. **blocks** [NTK+19, WLW+19]. **Bloom** [KP18, MT19, RB14, hRKRR13, SS17a]. **Bluetooth** [HBHA18, PO14]. **Board** [Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano12t, Ano12u, Ano12v, Ano13x, Ano15q, Ano15r, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n,

Ano18b, Ano18c, Ano18i, Ano19a, HK13, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano13o, Ano13p, Ano13q, Ano13r, Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano19h, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g]. **boo** [HNSD18]. **Book** [SG15a, TG15]. **bootstrapping** [KKJ+16]. **border** [dRMC+16]. **Borg** [SCLD19]. **both** [LAHV17]. **Botnet** [ZTS+13, GGSZ14, RMG11, SLH14, SSK19, CKA+17]. **botnets** [BVWM19, CFSF18, FCPA16, SG10a, WLCC17]. **bots** [BLR17, JHJ+16]. **bound** [MW11]. **bounding** [MOV14]. **bounds** [CKA+17]. **bowtie** [AKFM18]. **box** [CSS+19]. **BPNN** [ZQY+19]. **brain** [BLR17]. **branching** [CVS18]. **Brazilian** [ABC+19]. **BRB** [WHZ+18]. **Breaking** [AMMV13, HZG19, HZG20, ZBB17, SHB12]. **Bridging** [JSWZ11]. **broadband** [TMP15]. **broadcast** [TMP15]. **broker** [HB18]. **broker-based** [HB18]. **browser** [ACC+13, JCD+15, SS11, SGLC16, SWZL14, VMTG15]. **browser-based** [ACC+13]. **browsers** [SGLC16, TMN+17, ZY14]. **browsing** [TMN+17]. **Bubbles** [HHBS18]. **Budget** [SRDD13]. **Budget-aware** [SRDD13]. **Bug** [SG14b, DEP13]. **bugnet** [FW10]. **build** [CAM+19b]. **Building** [CSBW18, CAY+18, JAAS19, Mic12e, RMVC+12, PHP19, RG19]. **bulk** [Gar13]. **bulk_extractor** [Gar13]. **Bulwark** [BKK19]. **Burrows** [Kül12]. **business** [AP14, CDV12]. **business-driven** [CDV12]. **Busters** [VMTG15]. **buyer** [CTH10]. **buyer-seller** [CTH10]. **BYOD** [DPP15, ZBBO15]. **BYOD-enabled** [DPP15]. **Bypassing** [BHCTR12]. **bytecode** [KTG+18].

cache [JCD+15, ZGZ+13]. **calculation** [KTCS19]. **calculus** [DJP17, PS10]. **Call** [Ano10a, Ano10b, Ano10c, Ano11a, Ano11b, Ano11m, Ano11y, Ano11-30, Ano12b, Ano13-30, EMBH14, LLCT13]. **caller** [AM13, AM13]. **Caller-REP** [AM13]. **calls** [AM13, YXD+11]. **cameras** [GB19]. **campaigns** [CGR18, KDC+14]. **Can** [KK16, LHS+18, TBDM14]. **Cancelable** [QLZ19, RB14, BD16, BCRAA13, DDSP17]. **Candidate** [CH14]. **can't** [WA19]. **capabilities** [KMG17, bORF+15]. **capability** [Lop16, MCG19, SS18b]. **CAPPCHA** [GMMP18]. **CAPTCHA** [BLR17, HCR10, HCRMBG17, SG10b]. **CAPTCHAs** [NDMM13, NCS14, SWS16, Woo19]. **captured** [SPK17]. **card** [BCRAA13, BL15, HLB19, RVEK10, MLM17]. **cards** [JAN19]. **care** [SSS+15, vDBD13]. **carving** [YYL+15]. **cascade** [HMFE10, MT19]. **case** [BMH16, BM17a, CSBW18, CKA+17, DSP16, FCPA16, HCR10, HCRMBG17, KPKS15, OS17, WYS18, dVM15]. **categorical** [MSV12]. **categorization** [YtLpZD14]. **causal** [PBR11, HOVB17]. **Causality** [ZYRZ16, PK17]. **CDroid** [WCDY18]. **cellular** [XNP16]. **CENDroid** [BM19]. **center** [LMG18]. **centralised** [DFC13]. **centred** [KAF17]. **centric** [wJKW+16, JMGW17, JAH+11, JJ12]. **Certificate** [ATL+17, KKM19, ZDBW11, KS14, MJBKZ15]. **Certificate-less** [ATL+17].

certification [AAD+18]. **Certified** [FGOPL10, BPA+11, PW13, Tau11]. **CertLedger** [KKM19]. **chain** [BS17, Par18]. **challenge** [SPK17]. **Challenges** [AHR12, BM17a, Cho11, DLS14, LCZ17, Mic12c, PMP+15, YHL+15, AM17a, BTM14, CBGN18, GJ18, Hor16, RJJ15, STSB17, SSK17, SSK19, USB17, ZKM+17]. **changed** [SBK12]. **changes** [BM17b, PBR11]. **changing** [CW19, JXK18, ROW19]. **channel** [CAM19a, FNE19, HZH+18, JK19a, JMGW17, KJKM11, KJP+19, MZJ+12, PO14, ZTL+19, ZYPL10, ZLL+19]. **channels** [AG14, BEB+18, BKK19]. **chaos** [ZZZY13]. **chaos-based** [ZZZY13]. **characteristic** [HBF13]. **characteristics** [BEB+18, HXW+19, TAP18]. **Characterization** [GPAD+14]. **charging** [MJW+18]. **chasm** [JSWZ11]. **chat** [MBSR18]. **Chauhan** [TG15]. **cheating** [BHC15]. **Checker** [BPG+19]. **Checking** [XYY+12, ABP16, AP14, BKP10, BPA+11, MSA11]. **checkpoint** [YST+19]. **chess** [BHC15]. **children** [NRM19]. **China** [HLFZ16]. **Chinese** [ZDW19]. **choice** [MMPC18]. **chronicity** [KGSN17]. **CIFC** [WCDY18]. **CIPA** [CY16]. **circles** [SKLD14]. **circuit** [CPGA13]. **CISOs** [AS13]. **cities** [VHBJ19]. **City** [SMA+18, GWKFC19]. **claimant** [YI17]. **class** [LWZ+17]. **classical** [YGX+19]. **classification** [BEGW+19, BFTJ18, FPS11, GPAD+14, Kha12, MC18, MAM15, MZJ+12, SPFB19, SKG17]. **classifier** [BM19, KKP+18, VSO+18]. **classifiers** [AR17, VDK18]. **Classifying** [HMNT10, LJS19]. **ClearChart** [MSMK18]. **click** [MLKC17]. **click-draw** [MLKC17]. **client** [JM13]. **clients** [NADZ18]. **cloned** [KL18]. **closer** [HT17]. **Cloud** [Ano12r, BTK15, CGMP18, DSNH17, HB18, HW12, IH19, KW14, Mic12d, OM13, AAT16, AMK18, ANMN19, ABR18, AAD+18, BHC18, Bel18, BSBG19, CIS17, CAM+19b, CBGN18, DVC18, DYL+14, DYZ+15, HOVB17, JWB16, LML+16, LZCX18, LXH+18, MTT+16, NGSV16, NLC+19, NFGL16, PHMN16, PDM19, RC15, RG19, RR16, RRK+17, SCB+13, SSSC18, SBE17, TL15, TG14, WLWG11, WW15, WHZ+18, XYY+12, XLS+19, Yad19, YWS17, ZKM+17, ZY14, ZZC17, Zin15, ZHB+13, ZS15]. **Cloud-based** [DSNH17, CIS17, WW15, ZY14, ZHB+13]. **Cloud-of-Things** [CGMP18, CBGN18, SSSC18]. **clouds** [HSW17, RMVC+12]. **cluster** [AGL12, BM19, KJKM11, LWS+18, SMK18b]. **cluster-based** [AGL12, KJKM11]. **cluster-ensemble** [BM19]. **Clustering** [WLCC17, CMPR15, Ngu18, PRS13, dABM+18]. **clusters** [MKP12]. **CNN** [ZQY+19]. **Co** [GMGTdFR14a, HFCR13]. **Co-operative** [HFCR13]. **Co-owned** [GMGTdFR14a]. **code** [AQR+17, HLB19, JvOW11, KTG+18, MKP11, PMDM10b, PMDM10a, SKK+14, TOZJ13, YXD+11]. **Coded** [XXLZ18]. **codes** [FCSD10, RB14]. **Coding** [LW12b]. **Coercion** [KNM+17, HK13]. **Coercion-resistant** [KNM+17, HK13]. **Cognitive** [YST+19, BSBG19, DM19, LLD+19, TKK15]. **collaboration** [DYZ+15, NM19]. **Collaborative** [KKP10, CHK+19, CY16, GM12, PAP+17, PSMG18, UFF15, qZLxCjY17, ZLK10]. **Collateral** [SBS+18]. **collection** [PHMN16, SKA+19]. **collective** [AH10, SSF16]. **collectivism** [MWL18]. **Colluding** [SGLC16]. **collusion** [ADAMH17]. **colors** [MMLN15]. **combat**

[TCNFW16]. **Combating** [FSSF15, FFGL18, JHJ+16, NT18]. **combination** [CAM+19b, DLLS19, VSO+18]. **combined** [CAM+18, DWF+19]. **Combining** [CGPP11, AKFM18, BCRAA13]. **coming** [BMO18]. **Command** [PO14, SLH14]. **Comment** [WJ15]. **commerce** [BGR11]. **commercial** [DB13, TTCB18]. **commitment** [BTLT16]. **Committee** [Ano10x, Ano10y, Ano10z, Ano10-27, Ano10-28, Ano10-29, Ano10-30, Ano10-31, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x]. **commodity** [JvOW11, KKJ+16, ZW14]. **Common** [HA15, HCRMBG17, JvOW11, PRS13]. **Communication** [KTCS19, VG14, ATL+17, ABP16, BRH15, BBD+19, BJJ+17, BEB+18, BKK19, DLH+17, Hor16, JK19a, MVD19, PDB14, RB11, YGX+19, YKH10]. **Communication-efficient** [KTCS19]. **communications** [ROL13, WZW16]. **communities** [STSB17]. **Community** [JJ12, TBSR14]. **Community-centric** [JJ12]. **companies** [BMH16]. **comparative** [AG14, MK11, MP18, RM17, VHBJ19, WWXZ18, XPS11]. **Comparing** [DPP15, CZH+14]. **comparison** [GGSZ14, MCG19, SS18b]. **competition** [BWMG17, BRM+18]. **competitions** [BWMG17]. **competitive** [ABS14]. **compile** [SKK+14]. **compile-time** [SKK+14]. **complementary** [MMLN15]. **complex** [BTM14, MZJ+12, SJCM17]. **Complexity** [TBDM14, CDOV10, LJJL15, YGX+19]. **Compliance** [JSWZ11, BTM14, BBC17, HKK17, HSL19, Ifi12, KD13, LLK16, LSKF12, SVF16, SW19, TBDM14]. **compliant** [AM18a, BCRAA13, Pad12, Sil19]. **comply** [AM17b, RE19]. **component** [BR17, BCK19, DLH+17]. **component-oriented** [BR17]. **composable** [MFBC11, PMDM10b]. **composite** [KSG17, NDSA17]. **Composition** [Med18]. **Comprehensive** [BR18, AMK18, CDS+19, GGBT16, GK14, SK13, SBS+18, WB16, ZGZ+13, ZHB+13]. **compression** [Kül12]. **Computation** [SKK+14, WW15]. **computations** [DLOP17, LXH+18]. **Computer** [Mic12d, SG14a, AHP18, ABR16, BLR17, Cho13a, LMNM+19, SPCCMMS18, TMW17, ZHZ+15]. **Computers** [Ano12r, Ano18b, Ano18c, Ano19a, GZ20, GZG20, HZG20, MMPC18]. **Computing** [BTK15, HW12, IH19, AAA19, ABR18, Ano13-30, CKJ+17, DYL+14, DYZ+15, Gop19, JWZX19, KKK17, LZCX18, MHL+17, PDM19, SCB+13, SSSC18, SBE17, VPNP18, WHZ+18, XLS+19, Yad19, YWND14, YWS17, ZKM+17, ZGD19]. **concept** [Hat18]. **Concepts** [DPPB17a, TG15, MSVA16]. **Conceptual** [Nie17]. **concerns** [MR11, MT17, PMDM10b]. **concolic** [BJLS17, ZWNM19]. **Conditional** [RW13]. **Conference** [HF17, Ano15i]. **confidential** [TOZJ13]. **confidentiality** [WW15]. **configuration** [AAD+18, LDB18, ROL13, SKLD14]. **configurations** [BPG+19, MAZAS17]. **Confirmation** [TP18, LH11]. **conformance** [ALF+18, MCL+13]. **confront** [KK10a]. **confronted** [MBAE+11]. **congruence** [KDC+14]. **congruency** [DLS14]. **Connect** [NB19]. **connects** [HZMH18]. **conscious** [SSS+15]. **consensus** [YLN+19]. **consequences** [HOVB17]. **considerations**

[MMCA11]. **considered** [DLS14]. **Consistency** [LKJ14, CC14]. **Consolidation** [HW12]. **Constant** [MK11]. **constrained** [BRA18, HS13, HSPX14, HXS+16]. **constraints** [AAD+18]. **construct** [Bay13]. **Constructing** [MT19]. **construction** [CPGA13, EHBH+16]. **consumer** [MSMK18, PCC+18]. **consumption** [MMF19]. **containment** [CLLK10]. **content** [ODB18]. **Contents** [Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano10j, Ano10k, Ano11c, Ano11d, Ano11e, Ano11f, Ano11g, Ano11h, Ano11i, Ano11j, Ano11k, Ano11l, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano13g, Ano13h, Ano13i, Ano13j, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, DC16]. **Context** [MM17, PHP19, BOZL13, GWKFC19, HBFJ19, HZMH18, LKPK18, ODB18, PTM+18, Sil19]. **Context-** [MM17]. **context-aware** [BOZL13, GWKFC19, ODB18]. **contexts** [AAA19, DPP15, YW11]. **contextual** [HBFJ19]. **continuity** [Nie17]. **Continuous** [SCFB15, ARL13, AAD+18, CRS13, SKA+19, SCR19]. **contract** [HKK17]. **contrast** [HB16]. **Contributions** [Ano11y]. **Control** [AKFM18, BSTT16, DMR19, DDYZ14, PG19, PO14, SRDD13, AAD+12, ARL13, ALC17, AAC+19, ADF+10, BJ13, BHC18, BCD+17, BR17, BCD+10, BL15, BSL19, CHK+19, CFH+11, CIS17, CDS+19, CLL+13, CZH+14, CRJ18, Coh10, CJSM17, GMGTdFR14b, GM12, HPJ+19, HLB19, HT12b, JJ12, JJ14, KMM13, KBAL13, KS14, LML+16, LPL18, LC15, LAR13, Lop16, MDHM18, MSR19, MMJ14, MSRF18, NNNQ18, PZ15, PMDM10b, PMDM10a, RLB+11, RR17, RARL19, SLH14, SAL12, SSVA13, SSAK12, SYK14, SC19, SSVA19, SYGR11, UPF17, WW15, YYJC12, YG18, ZHZ+15, ZZ19, dCGÜ+17, dRMC+16]. **control-flow** [HLB19, HT12b]. **controlled** [ACS19, KJP+19, SM10]. **controlled-channel** [KJP+19]. **controller** [AM18a]. **controls** [ASFI18, AM17b, KKK17, SMP13]. **controversy** [ASO19]. **Convergence** [GCC18]. **convolution** [HW19]. **convolutional** [KMG17, YLW+19]. **CooPeD** [GMGTdFR14a]. **cooperation** [JJ14]. **cooperative** [HS13, IHED15, LKJ14]. **coordinated** [ZLK10]. **Coordinates** [SLH14]. **coordination** [JAAS19]. **copy** [YCJ12]. **corporate** [Wor10]. **CorrCorr** [GCD19]. **correct** [PS10]. **correctly** [KKP+18]. **correlated** [LZ19]. **Correlating** [GBC+18, YW11]. **correlation** [FSSF15, GCD19, HXW+19, RAA15, SHGH+15, TFPC10]. **Corrigendum** [GZ20, GZG20, HZG20]. **Cortana** [SS17b]. **cost** [COS19, SGK+16, WZK13, ZS18, ZNAHK11, Zhu18, Zin15]. **cost-benefit** [WZK13]. **cost-sensitive** [ZS18, ZNAHK11]. **counter** [EGM10]. **counterattack** [AWDB19]. **counterfeit** [MHS17]. **Countering** [JvOW11]. **countermeasure** [KJP+19, MK19, hRKRR13, VVS12, ZTL+19]. **countermeasures** [ArMS18, AZ17, CW19, FHL14, HLB19, SHB12]. **counters** [DCC+18]. **countries** [MT17, NTK+19]. **counts** [JXK18].

coupons [FGHHR18]. **courses** [GMdF19]. **Court** [ZY11]. **Cover** [Ano17l, Ano17m, Ano17n, Ano18i, MW11]. **coverage** [Zin15]. **Covert** [GB19, ROL13, SKK+14, AG14, KJKM11, MZJ+12, ZYPL10]. **CPBAC** [JJ14]. **CPI** [LGZ+19]. **CPI-enabled** [LGZ+19]. **create** [ROW19]. **Creating** [RM17, GZG19, GZG20, RAMR17]. **creation** [GJJ18, YGZG19]. **creator** [wJKW+16]. **credentials** [LAHV17, YAXY19]. **Creditability** [LLHT13]. **Creditability-based** [LLHT13]. **CRiBAC** [JJ12]. **crime** [LSC14, RR14]. **criminals** [MAC17]. **Critical** [Mic12c, Sil19, ASFI18, BCK19, CAL15, GSA18, MSR19, NZGH16, ZH13]. **Criticality** [TKG10]. **cross** [MWL18, VC12]. **cross-cultural** [MWL18]. **cross-site** [VC12]. **crowd** [XLT+17]. **crowdsourcing** [AAA19]. **crucial** [WLF+19]. **Crypt** [HHAW19]. **crypto** [CW19]. **crypto-ransomware** [CW19]. **cryptographic** [BJ10, GJJ18, KKJ+16, Ksi12, ZHL+11]. **cryptographically** [CBL10]. **Cryptography** [Ano19i, DA18, Kam19]. **Cuckoo** [Zin15]. **cultural** [MWL18, TKK15]. **culture** [AOR18, AS13, DE10, DSP16, FAE14, FE16, MT17, VV10, dVM15]. **cultures** [dVM17]. **cure** [BBC17]. **currency** [ML14]. **Current** [ANMN19, AAMDGR18, RARL19, TLJ14, Kok17]. **curtain** [SB14]. **customizable** [MFBC11]. **CUSUM** [CGPP12]. **Cyber** [ANMN19, AM17a, Bay12a, BJW19, Cae12, FB14, Kal19, KvS10, MK19, Mic12c, NWD+12, RJJ15, TCNFW16, TG12, WMPA19, ZH13, vdWEG18, AKFM18, AAH+18, ALC17, AM18a, Ano13-30, ABR16, BRM+18, CHK+19, CM19, CBB+16, Cho11, CJSM17, Den14, DM19, EM19, Fra17, GBC+18, GHDGRLM17, HBBM16, HLB+18, HWS+13, HLL17, LSC14, LDB18, MMJ14, MWAG16, NPP17, OS17, PWL+19, PC12, PTM+18, QAR+17, RFW+18, Rua17, RARL19, RR14, STSB17, SSF16, SKTO13, TR18, TS13, VHBJ19, YWND14, YG18, ZLL+18, dLGHK18, vSvN13]. **Cyber-attack** [Kal19]. **Cyber-attacks** [MK19, GHDGRLM17, PTM+18]. **cyber-crime** [RR14]. **cyber-defense** [RARL19]. **cyber-exercises** [dLGHK18]. **Cyber-Physical** [Mic12c, BJW19, ZH13, ALC17, CHK+19, HLB+18]. **cyber-safety** [DM19]. **Cyber-security** [vdWEG18, LDB18, MWAG16]. **cyber-threat** [QAR+17]. **Cyber-Warfare** [NWD+12]. **cyber-wargame** [HWS+13]. **cyberbullying** [MBSR18]. **Cybercrime** [BS19, GT13, MR11, CW19, KSW16, OM13, TVPV19]. **cybernomics** [Rua17]. **Cybersecurity** [CDKR18, ATAAd18, ADWM18, BWMG17, BTP+18, CBGN18, GMdF19, Hat18, LSSK16, Les18, MB17, SSSC18, dFGMTPL17]. **cycle** [JLK16]. **cyclically** [MHL+17]. **cyclostationarity** [MFCMC+18]. **cyclostationarity-based** [MFCMC+18]. **Cylindrical** [SLH14]. **CyTrONE** [BTP+18].

D [NCS14, Woo19, MGYC18, PYLL19]. **D2D** [Gop19, JLGM19]. **D2D-Aided** [Gop19]. **damage** [SBS+18]. **danger** [AP13]. **DangerNeighbor** [GSL+19]. **Data**

[CGGFGMF19, DC11, FB19, GMGTdFR14a, LML+17, LW19, QAR+17, XYY+12, AMK18, ALF+18, AHGC19, BRH15, BTK15, BFTJ18, CMPR15, CBL+19, DFJ+13, DEP13, DMC15, DYL+14, DYZ+15, EE15, Gar13, GZS19, GSBY18, HMNT10, Hor18, HLL17, JKA+18, JGM+13, Jän14, JWB16, JAN19, LKJ14, LZCX18, LWS+19, LMLL19, LCZ17, LXH+18, LZ19, LMG18, MCN10, MCY+18, Med18, MGYC18, MAZAS17, MKG16, MMMG13, NAS19, PKK+14, PCC+18, PAS+18, QLZ19, RR16, RR17, Ril13, RWS+19, SKA+19, SPFB19, SLB+13, SMK+18a, SA19, SH15, SS18b, SSVA19, SPK17, SWLZ11, WLWG11, WL18, WLZ+19, WX19, WLF+19, YWZM18, YWS17, ZKM+17, ZYWZ14, ZLL+18, ZZC17]. **data-access** [BRH15]. **data-aware** [WLZ+19]. **Data-driven** [QAR+17, MAZAS17]. **Data-flow** [LW19]. **data-hiding** [EE15]. **data-only** [Ril13]. **data-oriented** [WLZ+19]. **database** [AAD+12, EHBH+16, LMLL19, SVGE14, SSVA19, TFE10, VEPZ15, XMY+17, YGX+19]. **databases** [GDR15, JMGW17]. **dataset** [AOR18, MFCMC+18, TAP18, UB12]. **datasets** [HMNT10, SSTG12]. **day** [TCNFW16, VG14]. **DBMS** [SERF12]. **DBod** [WLCC17]. **DCT** [TLZL16]. **DDoS** [DT19, MPCK18, SBZD17, SP15, SKKP12, SMB16, SSK17, SKTO13, ZGD19]. **Dead** [Ano14s, TBDM14]. **Deadline** [VPNP18]. **debate** [Gar16]. **Debian** [WN15]. **Debugging** [OM19]. **decade** [HBBM16]. **Deceiving** [ÖB15]. **Decentralized** [CMPR15, YAXY19, BAH18, HHBS18, HBB12, YYJC12]. **deception** [HWS+13, vdWEG18]. **deceptive** [AW18]. **decimal** [DDSP17]. **Decision** [Jän14, NDdL15, BWMG17, BS19, CCM+15, DE16, MWAG16, RMW10, ST19, SAL12, WYS18]. **decision-making** [BWMG17, DE16, WYS18]. **decoder** [HS18]. **decomposition** [CDV12]. **decoys** [VSB+19]. **decryptable** [MBP19]. **deductions** [ZGZ+13]. **deductions-based** [ZGZ+13]. **Deep** [CAM+19b, HM19, NNNQ18, NQZ18, XSD19]. **defeat** [VC12]. **Defeating** [NDMM13]. **defence** [CJSM17, GJ18, SKTO13]. **defending** [CP18]. **Defense** [ADAMH17, VG14, ADA+18, AAL16, BRM+18, DCC+18, Den14, HWS+13, HEK+18, KN14, RARL19, SSF16, lTLqZqC19, TUB16, WP12, ZS18, qZLxCjY17]. **defenses** [CXF+18, GFN11]. **Defined** [AX15, GWKFC19, TDJB18, HHK+19]. **Defining** [dVM17]. **Definition** [AWDB19, DMR19]. **degree** [ZLC13]. **Delay** [DFC13, DFCC16, KUA+18, MVK16]. **delays** [GOB11]. **Delegate** [MKG13]. **delegation** [AWZ+17, AAC+19, DLH+17, HMFE10, PRMD10, ZDBW11]. **deletion** [YWZM18]. **deliberately** [AAL16]. **delivery** [KMM13]. **demand** [KKJ+16]. **demographically** [AOR18]. **demographically-diverse** [AOR18]. **demonstrator** [DBH17]. **deniable** [CCC+18, KKKP18]. **Denial** [BSMT14, EGM10, HWS+13, SLP13, SSK16, TUB16, TH18]. **Denial-of-Service** [BSMT14, EGM10, SLP13, TUB16]. **deobfuscation** [BJLS17]. **dependable** [AGSR+18, Hor18]. **dependence** [ESY+15]. **dependency** [KKKP18]. **deploying** [HPF+16, dLGHK18]. **deployment** [JJL+19]. **depth** [ASFI18]. **Deriving** [PRS13]. **Design**

[GMdF19, Hor18, JM13, JCD14, KPKS15, MSR19, THA+13, WRTA17, WJ15, Woo19, ZKM+17, ZJK+17, ZS15, BBDP16, BR17, BOZL13, DRN16, HCR10, HCRMBG17, JSWZ11, KFGL19, PMP+15, PAS+18, RDAS19, SVGE14, YHL+15]. **Designing** [KJKM11, PDM19, CM17, BBC17]. **desktop** [LLX+17, TMN+17]. **destruction** [GSBY18]. **desynchronisation** [LDC13]. **detect** [HR13, XXLZ18, YW11]. **Detecting** [AM13, HXW+19, HL18, JLGM19, JC14, JLK16, KPS16, KYZ15, LJS19, MJW+18, TTCB18, YYL+15, BM19, BVWM19, Cho13a, DLLS19, ESCAM17, GK14, HS18, HZH+18, LHI+19, MZJ+12, NTK+19, PDM19, SCLD19, WLCC17, ZYRZ16, ZjHtMhBs12]. **Detection** [CYLL17, FB19, FAS+17, LAVK19, MK19, NAS19, NVAJ19, NCGE15, XSD19, AR17, AHTS15, AQR+17, AYT+14, AH18, AG14, ATG11, AMS18, AP13, BK19, BMMP18, hBCK17, BHC15, BJJ+17, BEGW+19, BLS+16, BRA18, CGPP11, CGPP12, CGP17, CPVGTMF16, CGGFGMF19, COS19, CMPR15, CXF+18, CAM+18, CCST15, CH14, CWCC12, CFSF18, DT19, DC11, DF16, DYT+13, DDYZ14, DXCL18, DBH17, EMBH14, ESY+15, EM19, FNE19, FSSF15, FRRP17, GGSZ14, GOB11, GWWS19, GCD19, GWWW19, GZ10, GZP+13, HDK18, HX17, HS13, HSPX14, HXS+16, HDT+19, HB16, HS11, IRC+17, Kal19, KGSN17, KK10a, KK10b, KK17, KKM11, LWS+18, LDC13, LMLK16, LWS+19, LSA+19, LLHT13, LWZ+17, LGS14, MPCK18, MCT+17, MCY+18, MLK14, MMF19, MPORBR12, MLH+18, MSRF18, NADZ18, NDP18, NNNQ18, NRM19, NLC+19, ORLS14, ÖB15, PF10, PSK+17, PHP19]. **detection** [PAP+17, PCCM16, RAA15, RW13, RP19, RAA+14, RWS+19, SD17, SE11, SS18a, SMM+19, SG10a, SLH14, STCM+14, SWZL14, SRU18, SCGM14, SMC+18, SKKP12, SSTG12, SHGH+15, SSK19, SK10, SBW10, SDM+18, SKG17, Su10, TXM+19, TC11, TH18, UPSGF+14, USB17, VMS18, VSO+18, VDK18, WB16, WW18, WWXZ18, XPS11, Yad19, YCJ12, YG18, YXD+11, ZY11, ZNAHK11, ZQY+19, ZTC19, ZZ19, ZTS+13, ZLK10, ZW19, ZW14, vdWEG18, VRRK17]. **detection/prevention** [YG18]. **detector** [CMV16, VMA16]. **deter** [ROW19]. **Determinants** [TMW17, DM19]. **Determining** [PMB+14]. **deterrence** [CLL+13]. **deterring** [ESCAM17]. **develop** [WA19]. **Developing** [GPGV16, HSL19, MT17, NTK+19, SSTG12]. **Development** [SWS16, AAD+12, BCCS18, EHBH+16, FT16]. **deviations** [STCM+14]. **device** [CRS13, LMS14, OSP+19, SSSC18, TMW17, WHSE15]. **Devices** [SG15b, BKK19, CCC+18, DC16, DMC15, HZMH18, HYLY19, KMW19, NSBM17, NRM19, SM19a, SSNS15, SPCCMMS18, SCR19, TZTC16, YWZM18]. **devour** [SP15]. **Dexteroid** [JLK16]. **DGA** [WLCC17]. **DGA-based** [WLCC17]. **DGAs** [XSD19]. **DHCP** [HT17]. **Diagrams** [NDdL15]. **dialogue** [AH10]. **Diary** [SG14b]. **dictionaries** [ABR15]. **dictionary** [SS13]. **difference** [dSFK16]. **differences** [KK16, LHM13]. **differencing** [SH15]. **different** [CZH+14, LK18]. **Differential** [WX19, CVS18, JXK18, LZ19, WS17]. **Differentially** [CSX+15, CSXL15, WLF+19]. **Digital** [EAML15, Gar13, GT13, LW12d, Wed12, ALZ+11, DM19, HAGTdFR13,

Hor18, KEE13, MMMG13, RV13, RB11, RB12, SE11]. **Dilemma** [Sil13]. **dimensions** [SSF16]. **direct** [XdZMsC18, YLB+17]. **directional** [SVA10]. **directions** [ArMS18, AMS18, Cho11, CJL+13, LCZ17, MK19, NCGE15, SH15, WMPA19]. **Dirichlet** [RW13]. **disambiguation** [PSMG18]. **disaster** [BMO18]. **discipline** [CDKR18]. **disclose** [PKWP19]. **disclosing** [PKP17]. **disclosure** [AF14, HLFZ16, MW11, ZZC17]. **disclosures** [JGLE16, Ven18]. **discounts** [PWL+19]. **Discouraging** [BWOD13]. **discourse** [KHG17]. **Discovering** [GZS19]. **Discovery** [LC15, MCG19, RW13, SLD12, WJAM11, XLT+17]. **discrete** [MMPC18]. **disinformation** [AWDB19]. **disk** [KJKM11]. **displays** [Rru16]. **disruption** [FKSK19]. **Dissecting** [MG12]. **dissemination** [TOZJ13]. **dissimilarity** [ATAAd18]. **distance** [KTCS19, MOV14, WN15]. **distinguish** [BLR17, GMMP18]. **distortion** [PYLL19]. **Distributed** [BSMT14, CZZ+19, FW10, MCL+13, ZY11, AKAuR19, BVWM19, DLDTGMMP15, JAAS19, KS14, Len12, NDSA17, PDB14, SLP13, TUB16, UFF12, UFF15, Uzu16, XHC+10]. **distribution** [KYZ15, MFBC11, ZYWZ14]. **diverse** [AOR18, DM19]. **diversity** [MC18]. **divided** [HYZ18]. **DMTP** [YtLpZD14]. **DNP3** [MCN10]. **DNS** [AKK+13, HBF13, NAS19, SSK19, SPD+15, WLCC17]. **DNS64** [LK18]. **Do** [SW19]. **document** [MKG16]. **documentation** [MGYC18]. **documents** [ALZ+11]. **Does** [KBM16, MOV14, ROW19]. **Domain** [HT12a, MJRK18, BPG+19, CAY+18, CWY+12, HBBM16, MPPS10, SLH14, XSD19, ZW19]. **DomainChroma** [CAY+18]. **dominant** [dVM17]. **domRBAC** [GM12]. **Don't** [BWOD13]. **DOPdefender** [WLZ+19]. **DoS-resistant** [TOZJ13]. **DoS/DDoS** [SKTO13]. **Double** [MCRB19, MB18]. **download** [GAA18]. **DP** [CSXL15]. **DP-Apriori** [CSXL15]. **draw** [MLKC17, NSBM17]. **DRAW-A-PIN** [NSBM17]. **drawn** [NSBM17]. **driven** [APMCR13, CDV12, LSQ15, MAZAS17, QAR+17, ZGZ+13]. **driver** [GBC19, OP11]. **DriverAuth** [GBC19]. **DRM** [DC16]. **Droid** [MPM15]. **DroidInjector** [FSZ+17]. **DroidNative** [AQR+17]. **Dual** [DLOP17, Sil13]. **Dual-use** [Sil13]. **Dumpsys** [wJKW+16]. **during** [QFG12]. **duty** [UPF17]. **Dynamic** [HEK+18, LWS+18, LLG18, SAL12, TZZG13, VMS18, BMMP18, BSBG19, BM17b, COS19, DT19, DFJ+13, FSZ+17, HXW+19, HBT+19, HPF+16, KTG+18, LDC13, LKPK18, LPL18, MRS12, SKA+19, SM10, SKG17, SPR18, SMK18b, TZMG15, ZZ12, ZLW+15, ZWNM19]. **dynamics** [GEAHR11, GDR15, ICRB14, MCRB19, PGdCL16, RMG11, SCGM14, SSY12, TZTC16, UB12]. **Dypermin** [LLG18]. **Dytaint** [ZLW+15].

E-ADOPT [MJBKZ15]. **e-auction** [SYCS11]. **e-commerce** [BGR11]. **e-gates** [dRMC+16]. **e-health** [OSP+19]. **e-mail** [BPA+11, PW13]. **e-voting** [Gar16]. **Early** [RBJ18]. **Early-stage** [RBJ18]. **ECC** [CBL10]. **ECG** [HW19]. **eclecticism** [ASO19]. **EclipseIoT** [AAR+18]. **ecommerce** [MT17]. **economic** [CGR18, KSW16, Rua17]. **Economy** [GT13]. **ecosystem** [AYY+17, KNX18, KBM16]. **ecosystems** [NNG+18, PAP+17, SM19a]. **edge**

[HZMH18, JWZX19, SSSC18, TXM+19]. **editing** [PSMG18]. **Editorial** [Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano12r, Ano12k, Ano12l, Ano12t, Ano12u, Ano12v, Ano13k, Ano13l, Ano13m, Ano13n, Ano13x, Ano14i, Ano14j, Ano15i, Ano15j, Ano15q, Ano15r, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano18b, Ano18c, Ano18i, Ano19a, BCCS18, GE10, GD10, GS10, GL10, GT13, GJ11, HF17, HLL17, RCB+14, Spa10a, Spa10b, Spa11a, Spa11b, Spa11c, Spa11d, Spa12a, Spa12b, Spa12c, Spa12d, Spa12e, Spa13a, Spa13b, Spa14, Spa19, XHZ11, YWND14, Ano19i, Ano12m, Ano12n, Ano12o, Ano12p, Ano12q, Ano13o, Ano13p, Ano13q, Ano13r]. **Editorial** [Ano13s, Ano13t, Ano13u, Ano13v, Ano13w, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano19h, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g]. **eDocument** [LPR10]. **education** [Bon19, CDKR18, HSL19, RE19]. **Effect** [AAT16, CGW15, AM17b, AM18b, DLS14, FAE14, ROW19]. **Effective** [BEGW+19, SWZL14, Yad19, DYL+14, KH12, KKK17, LSA+19, TUB16, ZWNM19]. **effectively** [LMG18]. **Effectiveness** [BJLS17, FAS+17, ACS19, AHGC19, BWMG17, HEK+18, LW19, SMM+19, SGK+16]. **effects** [HOVB17, MAC+15]. **efficacious** [GK14]. **efficacy** [BWMG17]. **efficiency** [PAS+18]. **Efficient** [DA18, DT19, GZ10, GZP+13, LNNH13, LPL18, LXH+18, OSP+19, WZW16, XMY+17, YWS17, ZZC17, AuRMC+18, ABR15, BEGW+19, BRA18, CBL+19, CTH10, CDE+11, FZZ+12, GMLZ11, HDMKS10, HMFE10, HYLY19, KTCS19, KPD15, LML+16, MDHM18, MJBKZ15, MTT+16, MT19, NLC+19, NXS10, PDM19, SKA+19, SLD12, SMK18b, THA+13, VSO+18, XLT+17, ZLL+19]. **Efficiently** [MHL+17]. **EFM** [MLK14]. **eID** [ZS15]. **electrical** [BMH16]. **electroencephalograms** [BD16]. **electromagnetic** [UAK16]. **electronic** [AuRMC+18, FGHHR18, FGOPL10, HK13, JAH+11, LPR10, MPPCFG+12]. **Elephants** [SP15]. **Eliciting** [NFGL16]. **Elsevier** [SG15a, TG15]. **Email** [VRRK17, ATL+17, MB18, VVS12]. **embedded** [NZGH16, VSO+18, WHZ+19]. **embedding** [LHM13, SA19, ZQY+19]. **Emerging** [YST+19, AAMDGR18, DPPB17b]. **emini** [GSZX18]. **eMotion** [PPKK19]. **Empirical** [GSA18, GHDGRLM17, ZDW19, CMV16, DPPB17a, GGSZ14, HW18, HL18, KL18, RHL15, SBK12, SYX+16, SHB12, YGZG19]. **employee** [AM17b, HSL19, MMPC18, PMB+14]. **employing** [GCC18]. **employment** [SW19]. **emulation** [JJL+19]. **Enable** [ZDBW11]. **enabled** [CJA+19, DPP15, LGZ+19, NML19, YST+19]. **enclave** [CKJ+17]. **enclave-based** [CKJ+17]. **enclaves** [PPKK19]. **encoder** [HS18]. **encoder-decoder** [HS18]. **encoding** [DDSP17]. **encrypted** [BBDP16, BTK15, XMY+17, ZZC17]. **Encryption** [SERF12, BTK15, CJW+19, HHAW19, LK10, MBP19, OPHC16, OSNZ19, SVGE14, WLWG11, ZCZ+19]. **Encryption-based** [SERF12]. **end**

[Bel18, CZZ+19, JFR13, RR14]. **end-to-end** [CZZ+19, JFR13]. **end-users** [RR14]. **endowment** [ROW19]. **enemy** [AS13]. **Energy** [CDE+11, BMMP18, CJA+19, SMK18b, VSO+18]. **energy-efficient** [VSO+18]. **Enforcement** [KV15, TDJB18, AHP18, BCD+10, BR18, CKT11, KvS10, LKJ14, MT19, PMDM10a]. **Enforcing** [AIRC13, BGR11, DFJ+13, NSGF16]. **engine** [BHC15, HDMKS10, RP19]. **engineered** [JLK16]. **Engineering** [AKP14, CCC+12, HW18, CWGD15, DF16, ELG+17, FE16, Hat18, Hat19, HL18, LM10, MLM17, MMKV15, MLV16, OP11, SNG+17, ZBBO15]. **Enhance** [KTG+18, Kar12]. **Enhanced** [PGdCL16, YI17, DEP13, MLK14, SD17, SMA+18]. **enhancement** [TZZG13, TZMG15]. **enhancements** [NCGE15]. **Enhancing** [EMBH14, FanE+18, MLK14, SK13, HZNF15, MLKC17]. **enigmatic** [KK16]. **ensemble** [AR17, BM19, GWWW19, HWX+19, IRC+17, LWZ+17, ZW19]. **ensure** [Hor18]. **Ensuring** [MSMK18]. **Enterprise** [WL12, KLN15, ODB18, PAS+18, SC19, BMO18]. **entity** [RW13]. **entropy** [CMV16, ÖB15]. **entry** [LNK16, NKL+18, YHL+15]. **enumeration** [KPKS15]. **environment** [AAT16, AAMDGR18, CAM+19b, JK19a, KS19, LKJ14, PAJAP15, PSMG18, RG19, RR16, SYWX19, VPNP18]. **environments** [ANMN19, AZ17, AIRC13, BPA+11, BR17, DLDTGMMP15, Lop16, SVA10, SSSC18, VGL14, WHZ+18]. **EPC** [LC15]. **EPCglobal** [SLD12]. **epidemic** [WZW+10]. **episode** [RAA15]. **equilibria** [AAdM19]. **equipment** [PYLL19]. **error** [CJW+19, EHMJ19, KPD15, SKG17]. **error-related** [EHMJ19]. **ESPOON** [AIRC13]. **Establishing** [DFC13]. **establishment** [BEB+18, NM19]. **Estimating** [RMG11]. **estimation** [CLLK10, GZ18, GZ20, RDAS19, bORF+15]. **estimators** [SKKP12]. **ETGuard** [JLGM19]. **Ethereum** [WLW+19]. **Ethical** [RMW10]. **ethics** [Hat19, MMKV15, Spa10c, Spa11e]. **European** [RR14]. **evade** [KJKM11]. **evaluate** [DC16]. **Evaluating** [ACS19, AM17b, CZH+14, LDB18, Len12, MB18, NAMX14, RE19, EHMJ19]. **Evaluation** [NDdL15, NMX19, SMB16, TBSR14, AMK18, AAJ12, CHRI16, Cho13b, HL18, HT12b, KS19, MFCMC+18, MVK16, PTM+18, SLG19, SCGM14, SHB12, THA+13, WJ15, WLW+19, WYS18, Woo19, XPS11, XNP16, YHL+15, ZJK+17]. **evaluations** [AIB+14, CSBW18]. **evasion** [JHJ+16, KKP+18]. **event** [FSSF15]. **Events** [BSMT14, SJCM17, SA16, TS13, ZYRZ16]. **evidence** [GZS19, MMMG13, PHMN16]. **evidential** [SOG15]. **Evil** [BMO18, JLGM19, NADZ18]. **EVIV** [JFR13]. **Evolution** [CDKR18, Hat18, LWS+18]. **evolutionary** [BSL19]. **Evolvable** [YWL+17]. **evolving** [FFGL18, FC12, LSSK16]. **EvoPass** [YWL+17]. **examination** [MWL18, PBR11]. **Examining** [HKK17, LW12d, MT17]. **example** [KKP+18]. **examples** [MLV16]. **exams** [BGLR17]. **exchange** [CIS17, MVK16, SBL19]. **excuses** [BWOD13]. **executable** [UPSGF+14]. **execution** [JvOW11, JK19a, LLL+18, SMC+18, SS18b, ZWNM19].

Executive [WL12]. **exercises** [BM17a, dLGHK18]. **Exfiltrating** [DMC15]. **Exfiltration** [FB19, GB19, NAS19]. **exfiltration/infiltration** [GB19]. **existence** [VBC+15]. **Existing** [SG10b, CM17]. **experience** [PAS+18, SK18]. **experiences** [MPORBR12, VRRK17]. **experiment** [HWS+13, MMPC18]. **Experimental** [Hor18, SDM+18]. **experiments** [WN15]. **Expert** [EAML15, HA15, MWAG16]. **expert-based** [HA15]. **Expertise** [GPGV16]. **Explaining** [GGV18, HXW+19, Sil19]. **explanation** [KMW19]. **explanatory** [RE19]. **Exploiting** [HBF13, HL12, SMK+18a, GZS19, SH15, YWYZ12]. **exploits** [MTC+18]. **exploration** [LZBS13]. **Exploratory** [PCCM16, KDC+14, WYS18]. **Exploring** [AM18b, HPJ+19, KMG17, NGSV16, TMN+17, WZK13, CKJ+17]. **exposure** [RR14, SS11]. **expressive** [GMGTdFR14b]. **Extended** [YtLpZD14, BCD+17, Kam19, MAC+15]. **Extending** [AWZ+17, CKT11]. **extensible** [JAAS19, SLS+18, ZTC19]. **Extension** [WA19, PPKK19, SGLC16, Ver18, MM15a]. **Extensions** [HDMKS10, OBRK15, AF14, JAAS19, KTCS19, MJRK18, SWZL14]. **external** [BTLT16, LKPK18, WHZ+18]. **extraction** [MZJ+12, SPYG15]. **extreme** [ZJK+17]. **extrusion** [MKG16].

face [SWS16]. **face-recognition** [SWS16]. **Facebook** [PZ15, SCRA17, SBS+18]. **Facebook-style** [PZ15]. **faces** [DLS14]. **facial** [dRMC+16]. **factor** [BD18, DRN16, GMMJ11, MDHM18, NMX15, SNG+17]. **Factors** [PKWP19, ArMS18, CGW15, HK17, PKP17]. **fails** [MHS17]. **Fair** [ALZ+11, CTH10, DAR14, PW13]. **fake** [BLS+16, KYZ15]. **False** [LXDW16, LMLK16, LLHT13, SK10]. **Familiarity** [JvS17]. **families** [DWZ19]. **family** [DXCL18, LLL15, ZTC19]. **Fast** [LAHV17, ASO19, DYT+13, LNNH13]. **FATF** [Cho13b]. **fault** [AGL12, DEP13]. **fault-tolerant** [AGL12]. **FCMDT** [BSBG19]. **FDM** [BD18]. **Feature** [MZJ+12, YXD+11, ATAAd18, BK19, BFTJ18, DF16, GCD19, GWWW19, HDK18, KK17, VDK18, ZQY+19]. **feature-hybrid** [ZQY+19]. **features** [LGS14, NMX15, PMDM10b, VMA16, YCH18]. **February** [Ano10-33, Ano12w, Ano13-27, Ano14t, Ano15y, Ano16s]. **federated** [BSBG19, LC15]. **feedback** [HBB12]. **fi** [NADZ18]. **fidelity** [MAM15]. **field** [ABP16, RW13]. **Fields** [SLN+15]. **File** [XYY+12, CWGD15, Kha12, LWS+18, SFK15, VSB+19, WP10]. **files** [GSZX18, NCGE15]. **Filler** [Ano12s]. **filming** [MJW+18]. **Filter** [SLP13, MLK14, hRKRR13, SS17a]. **filtering** [TFPC10, TZMG15, UPSGF+14, YKH10]. **filters** [KP18, MT19, RB14, TZMG15]. **financial** [CKA+17, LSC14, WB16]. **Find** [ZTL+19]. **finding** [DEP13, KPKS15]. **Fine** [KJP+19, RLB+11, BHC18]. **Fine-grained** [KJP+19, RLB+11, BHC18]. **finger** [NSBM17]. **finger-drawn** [NSBM17]. **fingerprint** [BCRAA13, HW19, ZHL+11]. **fingerprinting** [BHDA14, CTH10, FXC18]. **fingerprints** [DSNH17]. **Firefly** [BK19].

Firefox [OBRK15]. **firewall** [GACCB+13, HHK+19, LGZ+19, TZZG13, TZMG15]. **firewalls** [AGL12, MBE+12]. **firm** [BS19]. **firms** [KCJB12]. **firmware** [HYLY19]. **first** [PAS+18]. **Fishbone** [KS19]. **fixing** [AMMV13, SHB12]. **Flash** [BSMT14]. **flaw** [ACC+13]. **flaws** [HCRMBG17]. **flexible** [Gar16]. **flights** [Zin15]. **flood** [DT19, SSK17]. **flooding** [DSNH17, HK13, hRKRR13]. **Flow** [AMMV13, FXC18, RSLH19, USB17, BSTT16, BCD+17, BL15, DT19, DDYZ14, DBH17, DPP+19, GWWS19, HLB19, HT12b, LW19, NNNQ18, QHW+19, STA18, WW15, YYJC12, ZTS+13, dCGÜ+17]. **Flow-based** [RSLH19, USB17, DT19, DDYZ14, GWWS19]. **Flow-net** [FXC18]. **flow-sensitive** [BCD+17, STA18]. **fly** [MRS12]. **FNF** [FXC18]. **Focusing** [LLK16]. **fog** [Gop19, SSSC18, ZGD19]. **following** [PBR11]. **forecasting** [GGBT16]. **Forensic** [BBD+19, Cho13a, Coh10, EAML15, KEE13, NAMX14, RV13, RB11, RB12, SS17b, SS18b, ZBB17]. **Forensics** [LW12d, Wed12, HBBM16, Hor18, KJKM11, LW12a, ZLW19]. **foresight** [GTGB16]. **forgeries** [SSY12]. **forgery** [Cho13a, HZH+18]. **Formal** [ABP16, DJP17, MBE+12, SHB12, TdHRZ17, GKB14, NZGH16, RDAS19, RB12, THA+13, WJ15, WCDY18]. **formal-analyzed** [WCDY18]. **formalization** [BR17]. **formalized** [NML19]. **Formally** [AW18, DPP+19, HLB19]. **format** [CWGD15, SS18b]. **formation** [DPPB17b, SSS+15, SMK18b]. **formats** [MP18]. **formed** [SLB+13]. **Foundations** [Mic12c, Nie17]. **four** [CKA+17]. **Fragmentation** [NVAJ19]. **frame** [HZH+18]. **frames** [UFF15]. **Framework** [Den14, Hor18, NF15, AHTS15, AAL16, ABR16, BPG+19, BJ13, BCRAA13, BTP+18, BSMT14, BS17, CCC+12, CFSF18, CRS13, CWGD15, DE10, EAML15, FNE19, HB18, HL18, HT12b, HAHZ+18, JAH+11, KBAL13, KS19, LZBS13, LLG18, MKP12, MB17, MAZAS17, NSGF16, PDM19, PMDM10b, PMDM10a, PMLK+11, Ril13, Rua17, SBZD17, SLG19, SLS+18, SSVA19, SSSC18, SKTO13, VEPZ15, ZBBO15, ZLLL12, ZTC19, ZLW+15, ZWNM19]. **frameworks** [RE19]. **framing** [CGLP18]. **fraud** [CCM+15, HX17, LMNM+19, WB16]. **FRED** [Hor18]. **free** [DJP17, JMGW17, MM17]. **freeware** [GAA18]. **Freeze** [HHAW19]. **frequent** [CSXL15, CSX+15, HB16, LMLL19]. **Friend** [KKP+18, JJA13]. **Friend-safe** [KKP+18]. **friendly** [CCC+18, KKP+18, ZS15]. **friends** [KPKS15]. **Front** [Ano17l, Ano17m, Ano17n, Ano18i]. **FT** [AGL12]. **FT-FW** [AGL12]. **FTC** [BB11]. **Full** [LLY17]. **fully** [BVWM19, MBP19]. **FunCAPTCHA** [HCRMBG17]. **function** [AHR12]. **functions** [HL12]. **Fundamentals** [Mic12a]. **further** [PCP+17]. **fusion** [CM19, HW19, HXW+19, HZH+18, WW18]. **fusion-based** [WW18]. **Future** [CJL+13, ANMN19, AMS18, BMH16, Cho11, FYL+17, LCZ17, MK19, ZKM+17]. **fuzz** [KCB13]. **fuzzer** [CSWX19]. **fuzzing** [CCM+18]. **fuzzy** [AAH+18, BSBG19, HK17, SKKP12]. **FW** [AGL12].

GA [CSS+19, KK17]. **GA-LR** [KK17]. **gained** [RR14]. **Gait**

[DB13, NMX15]. **Gaithashing** [NMX15]. **gambling** [HWX+19]. **game** [AAdM19, AW18, KK10a, LAVK19, MPM15, MBSR18, SYK14, SKTO13, lTLqZqC19]. **game-based** [AW18, KK10a]. **games** [AAdM19, DLB+19, GCC18, HBT+19]. **GAN** [HM19]. **gap** [GB19]. **GARS** [MMJ14]. **gate** [QHW+19]. **gates** [dRMC+16]. **Gateway** [NADZ18]. **Gaussian** [AH18]. **general** [WP12]. **generalised** [LML+17]. **generate** [SSTG12]. **generated** [CBL10, XSD19]. **generating** [BSMT14]. **Generation** [Mic12b, BD16, CM17, CMM+10, DBH17, DDSP17, GTDVTSH15, HM19, KCB13, RSLH19, SMC+18, SPK17, ZHL+11]. **Generative** [RSLH19]. **generator** [ZZZY13]. **generic** [HK13, NXS10]. **genetic** [CSS+19, VDK18]. **genetic-algorithm-based** [VDK18]. **genomic** [PCC+18]. **genuineness** [TS13]. **geometry** [MZZ+18]. **gesture** [SCR19]. **gesture-typing** [SCR19]. **GET** [SSK17]. **Global** [SYK14, SM19b]. **GM** [EM19]. **Goalkeeper** [BR18]. **Golbeck** [SG15a]. **gold** [ELG+17]. **governance** [FAE14, HSL19]. **GPGPU** [CBL10]. **grained** [BHC18, KJP+19, LLCT13, RLB+11]. **gram** [ORLS14, SS18a]. **grammar** [KCB13]. **Graph** [BM17b, DXCL18, DLB+19, KPS16, LDB18, NNNQ18, PRS13, PWWY14, WZK13, WL18]. **graph-based** [WL18]. **graphical** [MLKC17, YWL+17]. **graphs** [CPGA13, EMBH14, GSA18, KLN15]. **Gray** [SG14a]. **graylist** [YtLpZD14]. **great** [JL10]. **Greedy** [BSL19]. **Grid** [HX17, PAP+17, CRJ18, JK19b, KNX18, LSSK16, Les18, Sul19, WZW16, XXLZ18, XdZMsC18, ZH13]. **grids** [KKS13]. **grooming** [MMJ14]. **Ground** [Mic12e, SPD+15]. **group** [MK11]. **grouping** [KPD15, XXLZ18]. **grouping-based** [XXLZ18]. **growth** [RHL15]. **GTRBAC** [MSA11]. **Guest** [Ano19i, GSZX18]. **Guest-transparent** [GSZX18]. **Guide** [KG13, LW12d, MG12, TG14]. **guidelines** [JCD14].

habitual [KKK18]. **hacker** [GPGV16]. **Hacking** [LW12c, Mic12b, SG13, SG15b, Hat19, TG15]. **Hadoop** [VPNP18]. **HAIS** [PMB+14, PCP+17]. **HAIS-Q** [PMB+14, PCP+17]. **HAISA** [Ano11m]. **halved** [SSF16]. **hand** [JAN19]. **Handbook** [Mic12c]. **handling** [RC15]. **handoff** [RRK+17]. **handover** [FZZ+12, LNNH13]. **Hands** [MG12, BTP+18, SG15a, dLGHK18]. **Hands-On** [MG12, BTP+18, SG15a, dLGHK18]. **handshake** [SM10]. **Happy** [DLS14]. **harassment** [Wor10]. **Hardening** [DLB+19, WZK13]. **hardware** [DCC+18, GZ10, QHW+19, SMC+18]. **hash** [HL12, Par18]. **Hashed** [BCRAA13]. **hashing** [NMX19, TLZL16, YCJ12]. **haystack** [CGGFGMF19]. **health** [AuRMC+18, CIS17, OSP+19, PKP17, PKWP19, XHC+10, vDBD13]. **healthcare** [ADF+10, JAH+11, KCJB12]. **Hearing** [AHGC19]. **HEART** [EHMJ19]. **HEART-IS** [EHMJ19]. **heavy** [SMK18b]. **Help** [Sil13, TBDM14, dABM+18]. **heterogeneous** [WW18]. **Heuristic** [BCD+10, LZBS13]. **Heuristic-Systematic** [LZBS13]. **heuristics** [DRP+12]. **Hidden** [ATG11, hBCK17, VMS18, HS11, RFB17, SMK+18a, SKLD14]. **Hiding** [SKK+14, EE15, SH15]. **Hierarchical** [RB12, WLWG11, GMLZ11, LWS+19, dABM+18]. **hierarchies** [BCD+10].

High [MAM15, ABR18]. **High-fidelity** [MAM15]. **high-performance** [ABR18]. **higher** [Bon19, HSL19, RE19]. **highly** [ZJK+17]. **hinder** [Sil13]. **HIPAA** [KCJB12, LSKF12]. **history** [RD19]. **history-based** [RD19]. **HMM** [CMV16]. **HMMPayl** [ATG11]. **hoc** [BRA18, HZMH18, MJBKZ15, SRU18, Su10, XPS11, ZY11]. **Home** [BD18, HLB+18, HT12a, KMW19, KvS10, SYWX19, TTCB18, TMW17, XN14, TMW17]. **homology** [GL18]. **homomorphic** [MBP19]. **honey** [CJW+19, GSZX18]. **honeyfile** [GHÁGGT18]. **honeyfile-based** [GHÁGGT18]. **honeypot** [HBT+19, TP18]. **honeypots** [AYY+17]. **honeyword** [CM17]. **hooking** [WP12]. **hop** [TOZJ13]. **Host** [THA+13]. **Hot** [CWCC12]. **hotspots** [ABR16]. **HTML5** [GSL+19]. **HTTP** [DF16, GTDVTSH15, ORLS14, SSK17, TH18, WJAM11]. **HTTP-GET** [SSK17]. **HTTP/2** [TH18]. **HTTPS** [JCD+15]. **hub** [AAR+18]. **Human** [LLD+19, PMB+14, PCP+17, ACS+18, BLR17, EHMJ19, FC12, GBC+18, HW19, Hat19, HL18]. **human-as-a-security-sensor** [HL18]. **humans** [GMMP18]. **Hunter** [SG14b]. **Hybrid** [NG14, YKH10, AR17, AGSR+18, HSW17, STA18, SMK18b, TMP15, ZQY+19]. **Hypervisor** [FLBK15, AP13, BR18, GSZX18]. **Hypervisor-based** [FLBK15, AP13]. **hypervisor-level** [GSZX18].

IaaS [Kar12]. **ICISSP** [Ano19i]. **ICS** [CSWX19, RM17]. **ICT** [Ano15j]. **Identification** [dSFK16, Pal10, BOP14, CLF17, GTDVTSH15, LK18, MMJ14, NQZ18, PYLL19, SG10a, YLW+19]. **identifier** [FCSD10]. **identify** [HCRMBG17, SSSC18]. **Identifying** [ABR16, Bel18, GBCD19, LLCT13, MGYC18, SKLD14, CAM19a, dVM17]. **Identity** [THA+13, vdWEG18, BSBG19, HPJ+19, HFCR13, HWB10, NML19, VGL14, WHZ+19, ZMYB17]. **identity-authentication** [NML19]. **identity-based** [HWB10]. **IDS** [CAL15, CAM+19b, SK13]. **IDSs** [MFCMC+18]. **IEC** [MM15a, AM18a]. **IEEE** [FZZ+12]. **IEEE802.11s** [AG18]. **if** [Ano17l, Ano17m, Ano17n, Ano18i, STA18]. **If-transpiler** [STA18]. **IFC** [Ano10l, Ano10m, Ano10n, Ano10o, Ano10p, Ano10q, Ano10r, Ano10s, Ano11n, Ano11o, Ano11p, Ano11q, Ano11r, Ano11s, Ano12t, Ano12u, Ano12v, Ano13x, Ano15q, Ano15r, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k]. **IFIP** [Ano15i, HF17, Ano10-32, Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano10z, Ano10-27, Ano10-28, Ano10-29, Ano10-30, Ano10-31, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, Ano12r, Ano12s, Ano17v]. **IFIP/SEC** [Ano12r]. **IFIPTM** [Ano11y]. **IFTTT** [BD18]. **II** [Spa11e]. **IIoT** [ZGD19]. **IIS** [WJAM11]. **illegal** [HWX+19]. **illustrated** [dVM15]. **image** [Ano17l, Ano17m, Ano17n, Ano18i, HM19, KMG17, TLZL16, WHZ+19, YYL+15]. **images** [NQZ18]. **imbalance** [LWZ+17]. **imminent** [NTK+19]. **Impact** [ACC+13, KCJB12, SW19, WX19, HLB+18, LSC14, LXDW16, MWL18, MT17, MM17, Sil19, SA16, TRB18, WLW+19, WHZ+18]. **imperfect** [WLW+19]. **impersonated** [RW13]. **impersonation** [FNE19].

implantable [BKK19]. **Implementation** [HL18, ZWNM19, BR17, FT16, HCR10, SVGE14, SG10b, WCDY18, ZLW+15, dVM15]. **implementations** [FK13, MBE+12, PS10]. **Implementing** [MM15a, SVGE14, ZYPL10]. **implication** [SBL19, SGLC16]. **implications** [BGR+17]. **implicit** [SSNS15]. **importance** [MCT+17]. **improve** [CSWX19, CWCC12]. **improved** [CBL10, RP19, YtLpZD14, CYLL17]. **Improved-MSPCA** [CYLL17]. **improvements** [SCRA17]. **Improving** [AAH+18, AH10, CGPP12, RMW10, WHSE15, dVM15, IHED15, PTM+18, SH15]. **IMS** [VGL14]. **In-depth** [ASFI18]. **in-game** [MBSR18]. **in-memory** [SSVA19]. **in-vehicle** [PDB14]. **inaccurate** [WX19]. **Inadvertent** [Ven18]. **incentive** [Sul19]. **incentive-based** [Sul19]. **Incident** [AHR12, BMH16, FSSF15, HDT+19, MP18, PWL+19, RC15, TLJ14, TVPV19]. **incidents** [EHMJ19, HLFZ16, LMNM+19]. **Incompetents** [MAC17]. **Incorporating** [ODB18, bORF+15]. **incremental** [CH14]. **independent** [LLD+19, NADZ18, SCR19]. **indeterministic** [PK17]. **individual** [MT17, PKP17, Sil19]. **individualized** [LLY17]. **individuals** [DWZ19, ICRB14]. **indoor** [DHZ19, GHDGRLM17]. **industrial** [AM18a, CJSM17, DPP+19, EMWE19, MSRF18, OSP+19, RARL19, YG18, ZZ19, AKFM18]. **inertia** [Sil19]. **infected** [GBCD19]. **infectious** [AAT16]. **Inference** [AF14, ZLC13, ASO19, AAH+18, TFE10, ZH13]. **Inferring** [HNSD18]. **infiltration** [GB19]. **Influence** [CGLP18, DPPB17b, TAP18]. **influences** [BTLT16]. **Information** [Ano15i, BTLT16, CM19, FAE14, FT16, GSL+19, HF17, KKK17, Mic12a, Mic12e, NF15, Nie17, PMB+14, PCP+17, SSS+15, SVF16, SGK+16, TLJ14, VV10, WYS18, ACS19, AF14, AH10, AFF14, AM17b, BMH16, BBC17, BCD+17, BHCTR12, Bon19, BCK19, CGP17, CIS17, CHRI16, CLS17, CGW15, CJL+13, DE10, DPPB17a, DPPB17b, DSP16, DBH17, DE16, EHMJ19, FE16, FPS11, Guo13, HPJ+19, HKK17, Ifi12, wJKW+16, KDC+14, KHG17, KK16, KCJB12, KAF17, KD13, LLK16, MMCA11, MM15a, MM15b, NM19, ÖTC16, Pad12, PKP17, PKWP19, QAR+17, QFG12, QHW+19, RC15, RE19, RS15, RRK12, SPFB19, SMM+19, SSABC16, SW19, SWS15, SSF16, SOG15, SA16, TBSR14, TRB18, TKK15, UAK16, WHZ+19, WAMS14, XHC+10, YYJC12, YLB+17, ZTL+19, dVM15, dVM17, dFGMTPL17, vDBD13, vSvN13, Ano19i]. **information-flow** [BCD+17]. **information-theoretic** [CGP17]. **InfoSec** [Mic12a]. **infrared** [GB19]. **Infrastructure** [HW12, Mic12c, CGW15, HNSD18, IH19, MSR19, NGSV16, PMP19, TAP18]. **infrastructures** [CAL15, FHM+10, ZH13]. **inherent** [PYLL19]. **initial** [DFC13, SWS15]. **initiated** [hBCK17]. **initiation** [TUB16]. **Injecting** [SWLZ11]. **injection** [AAL16, CWCC12, FSZ+17, JC14, JLPJ18, KPS16]. **injection-based** [FSZ+17]. **inlined** [BCD+17]. **Inlining** [STA18, MRS12]. **innovation** [RM17]. **innovations** [JKC+13]. **Input** [SPYG15, DEP13, SBK12]. **insecure** [AAL16]. **Insecurity** [LSQ15]. **Insider** [AH18, BJ13, CGMP18, PBR11]. **Insider-threat** [AH18]. **insidious** [ZJK+17]. **insight** [MAC+15, SS17b]. **insights** [HSL19]. **inspection**

[BKP10, XXLZ18]. **installers** [GAA18]. **instances** [GZP+13]. **instant** [ZWX+19]. **Insteon** [TTCB18]. **Institutional** [HSL19]. **institutions** [HSL19, KCJB12]. **instrument** [DE10]. **insurance** [Fra17, PWL+19]. **Integrally** [ST19]. **Integrated** [BTP+18, KEE13, BCRAA13, CLL+13, DM19]. **integrating** [AAD+12]. **integration** [Ifi12, RLB+11]. **integrative** [AAMDGR18, HKK17]. **Integrity** [VBC+15, ADA+18, AYT+14, AAMDGR18, HBFJ19, HLB19, JK19b, LKPK18, LW19, MSMK18, XLS+19, YWS17, ZKM+17, dCGÜ+17]. **Íntegro** [BLS+16]. **Intelligence** [TG15, CAY+18, KGSN17, KKM11, QAR+17, TR18, WMPA19, ZW19]. **Intelligent** [CAM+19b, CP18, WB16, CJA+19, RAA+14, SMS+16, ZCZ+19]. **intensify** [HL12]. **Intent** [FAS+17, AM17b]. **intention** [DPP15, FE16, KMW19, PKWP19, RE19]. **intentions** [GBC+18, SWS15]. **inter** [BJJ+17, DLH+17, HZH+18, LLD+19, MPPS10]. **inter-app** [BJJ+17]. **inter-component** [DLH+17]. **inter-domain** [MPPS10]. **inter-frame** [HZH+18]. **inter-keystroke** [LLD+19]. **interaction** [BBDP16, HK17, JJ12]. **interactions** [CC14]. **interactive** [AM17b, GMLZ11, JM13, LH11]. **interconnection** [ALC17]. **interdependencies** [TKG10]. **interdependent** [MHL+17]. **interests** [BWMG17]. **interfaces** [JvOW11]. **internal** [KK10a, PBR11, WHZ+18]. **internalization** [TKK15]. **International** [Ano15i, HF17]. **Internet** [AAC+19, AAR+18, ABHS18, Bel18, BOZL13, CZZ+19, CBGN18, GWEA18, HYLY19, JvS17, JFR13, MAZAS17, NSFB15, PCC+18, SP15, Tau11, VMS18]. **Internet-** [CBGN18]. **interpretation** [Hor18, ZLLL12]. **interpretation-based** [ZLLL12]. **Interpreting** [DSP16]. **interpretive** [LSKF12]. **interval** [CC14, HYZ18]. **intervals** [ZTS+13]. **intervention** [AH10]. **Introducing** [MB17, Rua17]. **Introduction** [Ano15s, SG14a, SG15a]. **introspection** [HNSD18]. **intruder** [BKP10]. **intruders** [YLB+17]. **Intrusion** [SHGH+15, VDK18, AR17, ATG11, BK19, BMMP18, BRA18, CGGFGMF19, CY16, CAM+18, CH14, DC11, GTDVTSH15, GOB11, GTGB16, GWWW19, GZ10, GZP+13, HDK18, HS13, HSPX14, HXS+16, KK10a, KK17, KKM11, LMLK16, LLHT13, MLK14, PHP19, PAP+17, RWS+19, SD17, SS18a, SSCHL14, SRU18, SSTG12, SK10, USB17, VSO+18, XPS11, YW11, ZY11, ZLK10, dABM+18]. **intrusions** [PDM19]. **invariant** [ZW14]. **invariants** [SKG17]. **inventions** [Ven18]. **Investigating** [FAE14, LZBS13, GGV18]. **Investigation** [DPPB17b, SG15a, CCM+15, HA15, KDC+14, KJKM11, RB11, RB12, SFK15]. **investment** [DE16]. **investments** [WYS18]. **Invi** [PNKK17]. **Invi-server** [PNKK17]. **Invisible** [GMMP18, PNKK17]. **Invitation** [Ano10-32]. **iOS** [DC16]. **IoT** [APMCR13, CP18, GWKFC19, GMMP18, HHBS18, LSQ15, TTJ19]. **IoT-based** [GWKFC19]. **IoTChecker** [MAZAS17]. **IP** [CDE+11, HDMKS10, MA17, NT18, SMK+18a, SSK16, YW11]. **IPv6** [LK18]. **IR** [GB19]. **iris** [DDSP17, RB14, ZZZY13]. **iris-codes** [RB14].

irrespective [DLS14]. **Isabelle** [Kam19]. **ISBPF** [NF15]. **ISCP** [ASFI18]. **ISO** [MM15a]. **ISO/IEC** [MM15a]. **Isolated** [MJRK18, KKJ+16]. **isolation** [HDMKS10]. **ISRA** [SSABC16]. **Issue** [Ano12r, Ano19i, BJW19, Ano13-30, Ano15j, Ano17v, HLL17, LM10, YWND14]. **Issues** [FHL14, RJJ15, SSK19, Hol12, LK18, SVGE14]. **item** [SYCS11]. **items** [CC14, LGS14]. **itemset** [CSXL15, LMLL19].

Jail [RP19]. **Jail-Phish** [RP19]. **jammer** [IHED15]. **January** [Ano11z, Ano17p, Ano18l, Ano19m]. **Java** [BL15, CMM+10, MLM17, PS10, WA19]. **JavaScript** [STA18]. **Jennifer** [SG15a]. **JFCGuard** [MJW+18]. **Johnny** [WA19]. **judgments** [CGW15, MB18]. **judicious** [RFW+18]. **juice** [MJW+18]. **July** [Ano12-27, Ano13-28, Ano14u, Ano15x, Ano16u, Ano17q, Ano18m, Ano19n]. **Jumper** [GB19]. **June** [Ano10-35, Ano11-27, Ano12z, Ano14x, Ano15z, Ano16v, Ano17s, Ano18k, Ano19o]. **justifications** [VVS12].

k-modes [Ngu18]. **KakaoTalk** [KPKS15]. **KAMAS** [WRTA17]. **Kano** [YCH18]. **keeping** [JL10]. **Kerberos** [PMLK+11]. **Kernel** [MJRK18, HHAW19, JvOW11, LKPK18, LLL+18, LJS19, WP12]. **kernels** [JvOW11]. **key** [ALRC12, BD16, BCD+10, BEB+18, GMLZ11, HWB10, MFBC11, MK11, MVK16, RR16, ZHL+11, ZZC17, ZCZ+19]. **key-disclosure** [ZZC17]. **keyloggers** [DKG13]. **keys** [AAJ12, dSFK16]. **keystroke** [FNE19, GEAHR11, GDR15, ICRB14, LLD+19, MCRB19, PGdCL16, SSY12, UB12]. **keystroke-dynamics** [SSY12]. **keyword** [DLLS19, JMGW17]. **keyword-based** [DLLS19]. **Kid** [NRM19]. **kill** [BS17]. **kill-chain** [BS17]. **Kingdom** [Hor16]. **knowledge** [ABS14, DWZ19, FAE14, MDHM18, MCY+18, RAMR17, RM17, TBSR14, WRTA17, ZW19]. **knowledge-assisted** [WRTA17]. **knowledgeable** [XHC+10]. **Kumar** [TG15].

LAAP [Gop19]. **labels** [YYJC12]. **landscape** [Cho11, CW19, SSK17]. **language** [Ksi12]. **large** [BLS+16, CTH10, JJL+19, SJCM17, SDM+18, VSB+19, ZWX+19]. **large-scale** [JJL+19, SJCM17, SDM+18, ZWX+19]. **laser** [UAK16]. **latency** [BMMP18, CPGA13, JK19b]. **Latent** [RW13]. **later** [HBBM16]. **lateral** [HBT+19]. **Launching** [AMMV13]. **layer** [IHED15, SSK17, TKG10, YLB+17]. **lazy** [NNNQ18]. **lazy-binding** [NNNQ18]. **LDA** [EM19]. **LDoS** [ZjHtMhBs12]. **leadership** [BRM+18, FE16]. **Leakage** [YHL+15, ABS14, BHCTR12, GSL+19, LLYD15, MOV14]. **Leakage-resilient** [YHL+15]. **leakages** [UAK16]. **leaks** [DBH17]. **learned** [OM19]. **learner** [ACS19]. **learning** [COS19, CXF+18, CAM+19b, HWX+19, HCRMBG17, IRC+17, KMG17, LWZ+17, MBSR18, NNG+18, NNNQ18, NQZ18, PKP17, RFB17, UAB19, WYS18, ZW19]. **least** [Bon19]. **Legacy**

[OBRK15]. **Legally** [BB11]. **legend** [Ano17l, Ano17m, Ano17n, Ano18i]. **LEGO** [KJP+19]. **lens** [MB18]. **less** [ATL+17]. **lessons** [OM19]. **level** [CKJ+17, GSZX18, KGSN17, Kar12, LSC14, QHW+19, SE11, SOG15, WHSE15]. **Leveraging** [BLS+16, NNG+18, PC12, DSNH17, DHZ19]. **Lévy** [Zin15]. **lexical** [LGS14, ZDW19]. **liabilities** [HZG19, HZG20]. **library** [TXM+19]. **life** [JLK16, SYX+16]. **lifecycle** [MM15a]. **Light** [KP18, NWD+12]. **Light-weight** [KP18]. **Lightweight** [Gop19, GZ18, GZ20, BR17, DA18, GH15, JK19b, KCB13, MJRK18, VMA16, XLS+19, ZLW+15, ZHB+13]. **likelihoods** [MHL+17]. **limitations** [CM17]. **limited** [LZCX18, ZZC17]. **limits** [BHC15]. **line** [CWGD15, NDMM13]. **line-noise** [NDMM13]. **lineage** [UCCJ18]. **linear** [LML+17]. **linearly** [MBP19]. **lines** [UAK16]. **Linings** [Ano12r]. **link** [HL18]. **Linking** [ALF+18]. **Linux** [HHAW19, SCB+13]. **list** [Ano18r]. **lists** [Lop16]. **literature** [Bon19, FB14, GGV18, IAA+19, IH19, SA16, TLJ14, XL19]. **live** [TBDM14]. **Living** [PCC+18]. **LLE** [TLZL16]. **load** [MKP12, SMK18b, XdZMsC18]. **load-balancing** [MKP12]. **local** [CLLK10, YYL+15]. **Localising** [PSS19]. **localization** [DEP13, DHZ19, GHDGRLM17]. **Location** [JLPJ18, MZZ+18, MOV14, BHC18, CVS18, JWZX19, SVA10]. **location-based** [BHC18]. **locations** [CC14]. **lock** [KN14]. **Locker** [GHÁGGT18]. **locus** [HPJ+19]. **log** [BS17, HDMKS10, LWS+18]. **log-based** [HDMKS10]. **logging** [PMP19]. **Logic** [RB11, AAH+18, LXDW16]. **Logic-based** [RB11]. **logical** [SKG17]. **logo** [BWR12, CCST15]. **long** [TBDM14, VBC+15]. **long-term** [VBC+15]. **longitudinal** [AYY+17]. **look** [DDSP17, HT17, SM19a, UB12]. **look-up** [DDSP17]. **loss** [HX17]. **lossless** [Kül12]. **Low** [LW12c, SG15b, JK19b, NAS19]. **lower** [CKA+17]. **LPSE** [GZ18, GZ20]. **LR** [KK17]. **LSB** [LHM13]. **LSTM** [HS18]. **LTE** [hBCK17].

M2M [ABHS18]. **M2M-REP** [ABHS18]. **MAC** [HDT+19, JWB16, SMK18b]. **Machine** [MBSR18, ABC+19, BFTJ18, COS19, CXF+18, CAM+19b, HCRMBG17, KTG+18, NNG+18, SRU18, UAB19, VDK18]. **machine-learning** [NNG+18]. **machines** [ABHS18, RG19]. **Macroeconomic** [MAC17]. **mail** [BPA+11, FGOPL10, PW13, Tau11]. **main** [HHAW19]. **Maintaining** [TFE10]. **make** [BWOD13]. **making** [BWMG17, DE16, MWAG16, PNKK17, RMW10, WYS18]. **mal** [GFN11]. **mal-packets** [GFN11]. **maladaptive** [MVD19]. **Malboard** [FNE19]. **MalDAE** [HXW+19]. **Malicious** [KKK18, MG12, AYY+17, BM19, CAY+18, GPAD+14, JLK16, LHI+19, LLCT13, NAS19, NCGE15, OSNZ19, SWZL14, SSSC18, SPD+15, XXLZ18, YXD+11]. **Malware** [BFTJ18, DDYZ14, DRP+12, FAS+17, UCCJ18, MG12, NVAJ19, NQZ18, AAT16, AHTS15, AQR+17, AGSR+18, BGL18, CMV16, COS19, CXF+18, DPP15, DYT+13, DXCL18, DWZ19, EMBH14, ESY+15, FLBK15, GMMP18, HXW+19, HB16, HYLY19, IRC+17, wJKW+16, LLL15, LPL18, MPM15, MAC+15, MCT+17, MCY+18, MMF19, MAM15, NNG+18, NNNQ18,

NLC+19, PSK+17, PRS13, RBJ18, Rru16, SS11, STCM+14, SPCCMMS18, SPR18, TCNFW16, UAB19, WRTA17, Yad19, YSN+19, ZYRZ16, ZQY+19, ZTC19]. **malware-proof** [HYLY19]. **Man** [JCD+15]. **Man-in-the-browser-cache** [JCD+15]. **manage** [TBDM14]. **Management** [GACCB+13, Mic12e, NDdL15, SYK14, ALRC12, BJ13, BMH16, BTLT16, BCRAA13, BOZL13, BSBG19, Bon19, DVC18, DAR14, GTGB16, GMGTdFR14a, HB18, HLL17, KKP10, MLM17, MB17, MPPS10, MKG16, PKK+14, RV13, RRK12, SE11, SK18, THA+13, TLJ14, TMP15, VV10, VHBJ19, WAMS14]. **manager** [JMGW17, ZY14]. **manager-centric** [JMGW17]. **Managing** [BCD+10, DLDTGMMP15, QFG12, SSVA19, NM19]. **MANETs** [LMM+12, TP18]. **manual** [SCLD19, PTM+18]. **many** [MSVA16]. **many-valued** [MSVA16]. **Mapping** [TG12, DDSP17]. **Maps** [LMNM+19, BSBG19, BFTJ18]. **March** [Ano10-34, Ano12x, Ano15v, Ano16q, Ano17t, Ano18p, Ano19k]. **market** [Fra17, KCJB12, PCP+18, SA16]. **marketplaces** [MSMK18]. **markets** [HSR19]. **Markov** [ATG11, hBCK17, GCC18, HS11, PWWY14, RFB17, lTLqZqC19, VMS18]. **mashup** [PAJAP15]. **MASKER** [KNX18]. **Masking** [KNX18]. **Masquerade** [HS11, TC11]. **mass** [PCP+18]. **Masses** [PG19]. **massive** [YLW+19]. **master** [CDKR18]. **matching** [DA18, GZ10, LHM13, SM10]. **Math** [HCR10]. **mathematical** [MSR19, RMG11]. **matrix** [DLOP17]. **maximal** [CSX+15, TFE10]. **Maximizing** [LMLL19]. **May** [Ano12y, Ano13y, Ano14w, Ano15t, Ano16w, Ano17r, Ano18n, Ano19l]. **MDC** [BPG+19]. **MDC-Checker** [BPG+19]. **me** [ZTL+19, CMM+10]. **meaningful** [GOGG19]. **means** [CGPP12, MMPC18, TFPC10]. **Measure** [GPGV16, JGLE16]. **measurement** [QLZ19]. **measurements** [Sav13]. **measures** [RR14, SS17a]. **Measuring** [CKA+17, MM15b, ABR16, HEK+18, Rua17]. **mechanical** [dSFK16]. **mechanics** [LPL18]. **Mechanism** [DVC18, Pal10, ADA+18, AuRMC+18, CVS18, GSL+19, GMMP18, HMFE10, JXK18, KK10a, KKJ+16, LSA+19, MLK14, MCRB19, NXS10, SYCS11, YSN+19]. **mechanisms** [AAL16, DAR14, GJ18, JHJ+16, MBAE+11, Ngu18]. **Media** [SG15a, Gar13, UAK16, Ven18, WS17, vdWEG18]. **Median** [EM19]. **medical** [BKK19]. **meets** [CGMP18, LLD+19]. **membership** [Ano11a, Ano11b]. **memorable** [GZG19, GZG20]. **memory** [BBD+19, CSWX19, HHAW19, JAN19, LWS+19, MLM17, NLC+19, OP11, SSVA19]. **Merkle** [HZG20, HZG19]. **mesh** [HSPX14, HXS+16, LNNH13, VDK18]. **message** [BKP10, KDC+14]. **message-person** [KDC+14]. **messages** [HS18, ROL13]. **messaging** [BBD+19, CCC+12, FKSK19]. **Meta** [DLDTGMMP15, HBFJ19]. **meta-model** [HBFJ19]. **Meta-Policies** [DLDTGMMP15]. **metamorphic** [AHTS15, EMBH14]. **Metasploit** [KG13]. **metering** [Sul19, TAP18]. **meters** [GZ18, GZ20, XXLZ18]. **method** [ATAAd18, CGP17, Cho13a, Coh10, DXCL18, GWKFC19, GCD19, HYZ18, KPD15, LH11, LNK16, NZGH16, NLC+19, WW18, XSD19, ZZ19].

Methodology
[LK18, AAD+12, CDV12, HSW17, LMG18, OP11, PAJAP15, SFK15, TKG10].
methods [AMS18, CBB+16, Cho13b, GGSZ14, HZMH18, IAA+19, IRC+17, RNdP17, SAL12, SS13, TAP18, YXD+11]. **metric** [ZH13]. **metrics** [AG14, BM17b, HEK+18, NFGL16, Sav13]. **mHealth** [HAHZ+18]. **Mice** [SP15]. **microaggregation** [ANAT15, MSV12]. **microblog** [YLW+19]. **microdata** [MSV12]. **Microsoft** [JKC+13, LW12e]. **middleware** [JGM+13]. **migrating** [PPKK19]. **migration** [Len12]. **migration-based** [Len12]. **mimicry** [TC11]. **Mind** [SNG+17]. **mindset** [PBR11]. **MinHash** [NLC+19]. **Minimal** [HB16]. **minimization** [SA19]. **Mining** [GOGG19, HSR19, MSVA16, BSL19, CSXL15, CSX+15, CDOV10, CDV12, DYT+13, DWF+19, HB16, LMLL19, LLG18, MSRF18, RNdP17, WLW+19, WLF+19, YYJC12, ZMYB17, dABM+18]. **minutiae** [BCRAA13]. **misbehaving** [KUA+18]. **misconfiguration** [GACCB+13]. **misinformation** [YLW+19]. **missing** [NTK+19]. **mission** [MM17]. **Misuse** [FRRP17, GZS19]. **Misuse-based** [FRRP17]. **mitigate** [BJ13, PC12]. **Mitigating** [SNG+17, GSA18, NB19]. **mitigation** [FW10, LAVK19, SBZD17, ZGD19, Zin15, bORF+15]. **mix** [FHF15, PK17]. **mix-based** [FHF15]. **mixed** [AAdM19]. **Mixing** [RB14]. **Mixture** [AH18]. **ML** [Ksi12]. **mnemonic** [YGZG19]. **Mobile** [GJ18, STCM+14, ABR18, BPA+11, BHC18, BFS+18, BRA18, CCC+12, CCC+18, CGLP18, CRS13, FCPA16, FHM+10, GFKS15, GMMP18, IAA+19, JWZX19, KKK17, KS19, LH11, MJBKZ15, MMF19, NF15, NRM19, NAMX14, RRK+17, SCRA17, SSNS15, SPCCMMS18, SCR19, Su10, SMA+18, TZTC16, TMW17, WWY+18, WHSE15, XPS11, XNP16, XLS+19, YWZM18, YCH18, YKH10, ZY11]. **mobile-cloud** [ABR18]. **Mobility** [CGMP18, KW14, THA+13, TG14]. **Mobility-as-a-Service** [CGMP18]. **modal** [BOP14, GBC19, SCFB15]. **Model** [AKP14, AP14, hBCK17, LZBS13, NSFB15, VMS18, AWDB19, ASFI18, AAH+18, ABP16, ABR18, ARG+17, BKP10, BPA+11, BLR17, BSBG19, CHK+19, CLL+13, CHRI16, DC16, DMC19, DM19, DWF+19, DE16, GTGB16, GMGTdFR14b, GM12, GKB14, HKK17, HBFJ19, JSVA14, JJ12, JJ14, Kar12, KKK17, KEE13, KFGL19, KS19, KKM19, KKS13, LLY17, LGZ+19, LC15, LZS+16, LLL+18, MSR19, MB18, MSA11, MKG16, NDSA17, NZGH16, PWWY14, RFB17, RR16, SVF16, SERF12, SA19, ST19, SK18, SSVA13, SC19, SOG15, SEJ10, TBSR14, TZZG13, TCNFW16, UPF17, WZW+10, WL18, WAMS14, WHZ+18, Wor10, WCDY18, XHC+10, YCH18, ZZ19]. **Model-based** [AKP14, NSFB15]. **Modeling** [AAD+18, MMCA11, MA17, MBAE+11, WP10, WJAM11, ZMYB17, AW18, CLS17, LLD+19, RNR15, VSB+19, XL19]. **Modelling** [MWAG16, RFGL18, SPCCMMS18, BS19, DJP17, FHF15, Ksi12]. **Models** [AH18, ATG11, HW18, ANMN19, ABR15, HS11, JLK16, LML+17, MCG19, PMDM10b, RMG11, SCLD19, SS18a, SVA10, UPF17, ZCZ+19]. **modern** [GM12, PDB14]. **modes** [Ngu18]. **modification** [JvOW11, SH15]. **modified**

[EE15, CM17]. **modified-UI** [CM17]. **modifying** [MKP11]. **Modular** [JM13, ADWM18]. **module** [KGSN17]. **monitor** [BCD+17, STA18]. **Monitoring** [vDBD13, CPVGTMF16, CMM+10, HPF+16, TS13, dVM15]. **monitors** [CKT11, LKPK18, MRS12]. **Montgomery** [SLN+15]. **mood** [DLS14]. **most** [Pal10]. **motion** [SPYG15]. **motion-sensor** [SPYG15]. **motivated** [AWDB19]. **Motivation** [DPP15, HSL19, Ifi12, MWL18, ySTJA+16, Ver18]. **motives** [Wor10]. **mounted** [Rru16]. **Mouse** [MPM15, SCGM14]. **move** [ZS18]. **movement** [HBT+19, PSS19]. **moving** [HEK+18, lTLqZqC19, ZS18, qZLxCjY17]. **MP3** [YWYZ12]. **MSABMS** [ZjHtMhBs12]. **MSABMS-based** [ZjHtMhBs12]. **MSPCA** [CYLL17]. **MTRA** [TTJ19]. **Multi** [TTJ19, WW18, BTM14, BOP14, BOZL13, CGPP11, DRN16, DLOP17, GBC19, HZH+18, JWB16, LSC14, LAVK19, LMLK16, LML+16, MPCK18, MLKC17, ML14, NDP18, RAA15, RB14, SE11, SCFB15, SYCS11, TOZJ13, TKG10, FYL+17]. **multi-authority** [JWB16, LML+16]. **multi-biometrics** [RB14]. **multi-channel** [HZH+18]. **multi-currency** [ML14]. **multi-factor** [DRN16]. **multi-hop** [TOZJ13]. **multi-item** [SYCS11]. **multi-layer** [TKG10]. **multi-level** [LSC14, SE11]. **multi-modal** [BOP14, GBC19, SCFB15]. **multi-party** [DLOP17]. **multi-RANs** [FYL+17]. **multi-service** [BOZL13]. **Multi-source** [WW18]. **multi-stage** [LAVK19]. **multi-stakeholder** [BTM14]. **multi-step** [NDP18, RAA15]. **multi-tenant** [MPCK18]. **Multi-Tier** [TTJ19]. **multi-touch** [MLKC17]. **multi-view** [LMLK16]. **multifaceted** [CHRI16]. **multifactor** [KS19]. **multifold** [WL18]. **multilayer** [LMM+12]. **multilevel** [SERF12, TZMG15]. **multimedia** [GJJ18, KMM13, RM17]. **multimodal** [SS16]. **multipath** [OPHC16]. **Multiple** [XYY+12, BPG+19, GJJ18, NDMM13, RVEK10, SLH14, VDK18, WL18, WYS18, ZGZ+13]. **Multiple-File** [XYY+12]. **multiplication** [DLOP17, SLN+15]. **multisourcing** [NM19]. **multitenant** [RMVC+12]. **Multivariate** [CGGFGMF19, CPVGTMF16, GCD19]. **mutation** [qZLxCjY17]. **Mutual** [JJA13, Cho13b]. **Mutual-friend** [JJA13]. **MVPSys** [LMLK16]. **my** [ROW19].

name [GWEA18]. **names** [CAY+18, XSD19]. **narrative** [BCK19]. **Nash** [GCC18]. **NAT64** [LK18]. **national** [FAE14, RM17]. **native** [AQR+17]. **Navigating** [SG14a]. **Near** [DM17, ABP16]. **Near-optimal** [DM17]. **Nearest** [EM19, XMY+17]. **Necessity** [MMKV15]. **need** [KBM16]. **needle** [CGGFGMF19]. **needs** [ANMN19, HBBM16]. **negatives** [LLHT13]. **negotiation** [MKP12]. **negotiations** [KFGL19, RFGL18]. **neighborhood** [XXLZ18]. **Neighbors** [EM19]. **neighbour** [XMY+17]. **NeMHIP** [WJ15, THA+13]. **net** [FXC18, FCPA16]. **Network** [AF14, CAM+19b, DPPB17b, HDK18, PF10, PKK+14, SFK15, SG14a, TDJB18, qZLxCjY17, ABR16, AHGC19, BK19, BPG+19, hBCK17, CGPP11, CGPP12, CGP17, CPVGTMF16, CFH+11, CMPR15, CY16, CYLL17, CAM+18, CH14, CLF17, CGW15, DPPB17a, DT19, DC11, EGM10, EM19,

FKSK19, FSSF15, FZZ+12, FRRP17, GL18, GOB11, GGBT16, GCD19, GBCD19, GZ10, HW19, Hol12, JKC+13, JJA13, KLN15, KK17, LMLK16, MBE+12, MFCMC+18, MPCK18, MSR19, MA17, Med18, MLK14, MKG16, MCG19, PDM19, PSS19, RSLH19, RWS+19, ROL13, SD17, SCLD19, SS11, SS18a, STCM+14, SLG19, SLD12, TFPC10, THA+13, VMS18, VDK18, WLW+19, XN14, XHZ11, XSD19, ZYRZ16, ZYPL10]. **network-based** [JKC+13, RWS+19]. **network-initiated** [hBCK17]. **networked** [SM19a]. **Networking** [GWKFC19]. **Networks** [AX15, DFC13, GMGTdFR14b, RD19, RB11, RSLH19, VG14, AG18, AWZ+17, AKAuR19, ASO19, ADAMH17, ACS+18, hBCK17, BM17b, BRA18, CVS18, CTH10, CAM+18, DFCC16, DLB+19, EE15, FYL+17, FFGL18, GFN11, HR13, HM19, HS13, HSPX14, HXS+16, HHK+19, HT17, IHED15, JJ14, KMG17, KUA+18, Kha12, LAVK19, LNNH13, LLYD15, MPCK18, MK19, MJBKZ15, MVK16, MPORBR12, NXS10, OPHC16, OAO17, PZ15, PNKK17, RR17, RBJ18, SJCM17, SRU18, SSAK12, SC19, Su10, SMK18b, TOZJ13, TTJ19, UB12, WW18, XPS11, XN14, XNP16, ZY11, ZNAHK11, ZHZ+15]. **Neural** [CAM+19b, YSN+19, CAM+18, EE15, HW19, HM19, KMG17, Kha12, MCG19, RBJ18, TFPC10, UB12, XSD19]. **Neurokey** [BD16]. **neutralization** [BWOD13]. **Next** [Mic12b, CMM+10]. **NFD** [HX17]. **NIC** [Rru16]. **nifty** [PAP+17]. **NN** [ZZC17]. **no** [LHS+18]. **nodes** [AAT16, KUA+18]. **noise** [NDMM13, QLZ19, ZYWZ14, HM19]. **Noise-GAN** [HM19]. **noisy** [YLW+19]. **Non** [HX17, BBC17, GMLZ11, JM13, PW13, Sil19, VBC+15]. **non-compliance** [BBC17]. **non-compliant** [Sil19]. **non-interactive** [GMLZ11, JM13]. **non-parallelizable** [JM13]. **non-repudiable** [PW13]. **non-repudiation** [VBC+15]. **Non-technical** [HX17]. **Noncespaces** [VC12]. **nonlinear** [PF10]. **normalization** [PPdCL17]. **Norman** [LSKF12]. **norms** [HOVB17]. **note** [FCSD10]. **Nothing** [RR14]. **Novel** [MTT+16, TUB16, BPG+19, BSBG19, BS17, CIS17, CAM+18, CFSF18, CLF17, EHMJ19, FNE19, GWWW19, HR13, IRC+17, LLY17, PAJAP15, SWS16, SCR19, ZZZY13, ZLW+15]. **November** [Ano10-38, Ano11-29, Ano12-29, Ano13-29, Ano15w, Ano16r, Ano17o, Ano18j, Ano19j]. **NTFS** [Cho13a]. **number** [ZZZY13]. **numbers** [KPKS15]. **Nutan** [TG15].

OAuth [SMA+18]. **obfuscation** [BSTT16, HT12b, KTG+18, MAC+15, MKP11, SKK+14, Zhu18]. **object** [DBH17, MCN10, OAO17]. **object-oriented** [DBH17]. **objective** [DYT+13]. **objective-oriented** [DYT+13]. **objectives** [FK13]. **objects** [Bel18, MCT+17, PYLL19]. **oblivious** [KTCS19]. **Obscuring** [VGL14]. **observable** [HBT+19]. **observation** [AYY+17]. **observational** [BRM+18]. **October** [Ano11-28, Ano10-37, Ano14v]. **off** [CWGD15]. **off-line** [CWGD15]. **Offline** [FKSK19, ZZC17]. **offs** [MMPC18]. **old** [LSSK16]. **On-demand** [KKJ+16]. **On-the-fly** [MRS12]. **One** [Par18, LHS+18, SPK17]. **One-time** [Par18, SPK17]. **Onion** [CPGA13, ZLC13]. **Online**

[LWS+19, PKK+14, AAA19, ACS+18, CCM+15, CKA+17, ELG+17, FFGL18, GMdF19, HWX+19, JJ14, LLYD15, MB17, MSMK18, RFB17, RR14, SSAK12, ySTJA+16, Wor10]. **only** [Ril13]. **ontologies** [NNG+18]. **Ontology** [DWZ19, RAA+14, SOG15]. **Ontology-based** [DWZ19]. **opcode** [DDYZ14, ZQY+19]. **opcodes** [COS19]. **Open** [CB12, TG15, AM18a, CC14, GJ18, MGYC18, NMX19, Sil13]. **open-source** [MGYC18]. **OpenID** [NB19, SHB12]. **OpenPLC** [AM18a]. **OpenSGX** [CKJ+17]. **OpenSSL** [WN15]. **operating** [CZH+14, RHL15, WHSE15, ZW14]. **operation** [ZLL+18]. **Operational** [MPORBR12, AFF14, LAR13, Sul19]. **operations** [KKJ+16]. **operative** [HFCR13]. **operators** [MWAG16]. **opinion** [ANS13]. **opp** [DLH+17]. **OppNets** [ADA+18]. **Opportunistic** [RD19, ADAMH17]. **Optimal** [GJJ18, SLN+15, lTLqZqC19, YYJC12, CAM+18, DM17, PKK+14, SMK18b, ZYWZ14]. **optimality** [AAdM19, HS13]. **optimism** [RRK12]. **optimization** [EE15, MZZ+18, SD17, Zin15]. **optimized** [CSS+19]. **Optimizing** [HBT+19, AQR+17, ZNAHK11]. **Optiwords** [GZG19, GZG20]. **Order** [AKAuR19]. **organisation** [DPPB17b, KK16]. **organisational** [AHR12, AS13]. **organising** [BFTJ18]. **Organizational** [KD13, ABS14, DSP16, Sil19]. **organizations** [CLL+13, FAE14, SSS+15, SVF16, Sil13]. **Organizing** [LMNM+19]. **Oriented** [HW12, AGSR+18, BR17, DYT+13, DBH17, KKKP18, LCZ17, NML19, RRK+17, SMP13, SK18, WLZ+19]. **OSINT** [KGSN17]. **OSN** [PKK+14, BBDP16, KGSN17]. **OSNs** [BLS+16]. **OSSF** [MB17]. **other** [KCJB12]. **OTR** [FKSK19]. **outbreak** [CLLK10]. **outsourced** [AIRC13, LCZ17]. **Outsourcing** [OSNZ19, BTM14, DFJ+13, JGM+13, LXH+18, XMY+17]. **overcome** [BBC17]. **overcoming** [CM17]. **overlay** [MPCK18]. **OWL** [KSG17]. **own** [AS13]. **owned** [GMGTdFR14a]. **owner** [ZZC17]. **ownership** [MWL18, VHBJ19].

P2P [CMPR15, IGS17]. **PaaS** [RMVC+12]. **packed** [UPSGF+14]. **Packet** [ADA+18, YW11, ADAMH17, TZMG15]. **packets** [GFN11]. **packing** [BEGW+19]. **Page** [Ano17l, Ano17m, Ano17n, Ano18i]. **Page/Cover** [Ano17l, Ano17m, Ano17n, Ano18i]. **Pages** [Ano10-33, Ano10-35, Ano10-34, Ano10-38, Ano10-37, Ano10-36, Ano11z, Ano11-27, Ano11-29, Ano11-28, Ano12w, Ano12z, Ano12-27, Ano12x, Ano12y, Ano12-29, Ano12-28, Ano13-27, Ano13-28, Ano13y, Ano13-29, Ano13z, Ano14t, Ano14x, Ano14u, Ano14w, Ano14v, Ano14y, Ano15y, Ano15z, Ano15x, Ano15v, Ano15t, Ano15w, Ano15u, Ano16t, Ano16s, Ano16v, Ano16u, Ano16q, Ano16w, Ano16r, Ano16x, Ano17p, Ano17s, Ano17q, Ano17t, Ano17r, Ano17o, Ano17u, Ano18q, Ano18l, Ano18k, Ano18m, Ano18p, Ano18n, Ano18j, Ano18o, Ano19p, Ano19m, Ano19o, Ano19n, Ano19k, Ano19l, Ano19q, GZ20, GZG20]. **pairings** [HWB10]. **palmprint** [QLZ19]. **Panda** [TG15]. **PANDDE** [FB19]. **Panning** [ELG+17]. **Papers**

[Ano11-30, Ano10a, Ano10b, Ano10c, Ano11m, Ano12b, Ano13-30]. **paradigm** [BD16, Gop19]. **paradox** [GGV18, Kok17]. **Parallel** [BTK15, HW19, HT12b, JCD14]. **parallelizable** [JM13]. **parameterized** [SYGR11]. **parameters** [CAM+18, SS11]. **parent** [FCSD10]. **Part** [Spa10c, Spa11e]. **partially** [HBT+19]. **participants** [BWMG17, HWX+19]. **participation** [AH10]. **particle** [EE15]. **parties** [BGLR17]. **party** [AF14, DLOP17, HWB10, PW13, SSAK12, SBS+18, TXM+19, VHBJ19]. **passing** [Ano14z]. **passive** [ZYPL10]. **Password** [CJW+19, AOR18, GZ18, GZG19, GZ20, GZG20, LHS+18, Lop16, MCRB19, NMX19, Par18, SYX+16, YHL+15, YGZG19, YWL+17, ZY14]. **password-strength** [GZ18, GZ20]. **passwords** [GZG19, ICRB14, MLKC17, ROW19, SYX+16, ZDW19]. **patches** [AW18]. **patent** [Ven18]. **path** [HDMKS10]. **paths** [GSA18, HMFE10]. **Patient** [JAH+11, PKP17, PKWP19]. **Patient-centric** [JAH+11]. **pattern** [DA18, GZ10, HB16, Kal19, KGSN17, KN14]. **patterns** [BRH15, GOGG19, HW18, HBF13, LHM13, NML19, SMC+18, SPK17, UFF12, UFF15, WLF+19, YYL+15]. **payment** [Cho13b, ZWX+19]. **PCA** [CPVGTMF16]. **PCA-based** [CPVGTMF16]. **PDF** [NCGE15]. **Peek** [HNSD18]. **Peek-a-boo** [HNSD18]. **Peer** [SFK15, DHZ19, JL10]. **peer-assisted** [DHZ19]. **Peer-to-Peer** [SFK15, JL10]. **Penetration** [CB12, KG13, LW12b, SG15b, Hat19, KBM16]. **penetration-testing** [Hat19]. **people** [FC12, ROW19]. **per-context** [LKPK18]. **Perceived** [SGK+16, HOVB17, KMW19]. **perceiver** [DLS14]. **perception** [HSR19]. **perceptions** [GMMJ11, MT17, MMPC18]. **perceptual** [KK16]. **Performance** [Hol12, Kha12, SCGM14, ABR18, CGPP12, CSWX19, CWCC12, DCC+18, MLK14, SK13, TZZG13, UB12, Zhu18]. **performances** [CBL10]. **permissible** [ZLW19]. **Permission** [FHL14, GFKS15, AAC+19, DLH+17, LLG18]. **permissioned** [PMP19]. **permissions** [NNG+18]. **perpetrators** [KSW16]. **persistent** [AWDB19, FSSF15, GL18, LCMF18, XN14]. **Persisting** [JCD+15]. **person** [KDC+14]. **Persona** [KAF17]. **Persona-centred** [KAF17]. **Personal** [GMGTdFR14a, Pal10, CLS17, ÖTC16, WS17, WHZ+19]. **Personality** [SWS15, MPM15]. **personalized** [BAH18]. **perspective** [ABS14, BTM14, Bay12b, CGMP18, CGR18, HKK17, SM19b, ySTJA+16, VV10, Wor10]. **Perspectives** [RS15, ALF+18, AAMDGR18, EAML15, YLB+17]. **Perturbation** [CSS+19]. **Pervasive** [FHM+10]. **phase** [WLF+19]. **phenomenon** [Kok17]. **phish** [VMA16, RP19]. **Phishing** [AZ17, KSW16, RW13, VRRK17, CCST15, DLLS19, GJ18, GK14, HA14, LSA+19, LZBS13, MB18, PMP+15, RP19, ZJK+17]. **phone** [KPKS15, NF15, NRM19]. **phones** [DB13]. **photo** [WWY+18, ZLW19]. **PHP** [LHI+19, WN15]. **PHP-based** [LHI+19]. **Physical** [BEB+18, Mic12c, NKL+18, ALC17, Ano13-30, AM17a, BBD+19, BJW19, CHK+19, CM19, HLB+18, HZMH18, IHED15, LXDW16, YWND14, YLB+17, ZH13]. **pi** [DJP17]. **PIN** [KH12, LNK16, NSBM17, NKL+18, SS13]. **PIN-entry**

[LNK16]. **PIndroid** [IRC+17]. **PINs** [LLD+19]. **pioneer** [Ano14z]. **pirate** [ZZ12]. **pitfall** [ZHL+11]. **Pitfalls** [HCR10]. **pixel** [LHM13, SH15]. **PKCS15** [BCRAA13]. **PKI** [DFC13, KKM19, MPPS10, YI17]. **PKI-based** [MPPS10]. **places** [Bon19]. **Plaintext** [MBP19]. **planned** [Ifi12]. **platform** [BRH15, CKJ+17, CMM+10, HT12a, HYLY19, HAHZ+18, LLG18]. **platforms** [GBC19, HLFZ16, MKG13, NGSV16, NMX19, RMVC+12, SLB+13, SLS+18, vdWEG18]. **POBA** [CSS+19]. **POBA-GA** [CSS+19]. **pod** [KK10b]. **points** [MZZ+18]. **poisoning** [CXF+18, IGS17, JCD+15]. **Policies** [DLDTGMMP15, AAD+12, AIRC13, BBC17, BSL19, CDS+19, HPF+16, Kar12, KHG17, KSG17, KH12, RE19, RLB+11, RMW10, SSVA19, SBE17, TKK15, TdHRZ17]. **Policy** [NDdL15, AHP18, ADF+10, BWOD13, CLL+13, FT16, GHL+17, GZG19, GZG20, HKK17, Ifi12, MBE+12, MCL+13, PAS+18, SVF16, SW19, TVPV19]. **Polite** [VVS12]. **poll** [JCPACRV12]. **poll-site** [JCPACRV12]. **polls** [ANS13]. **Polymorphic** [VG14]. **portals** [GAA18]. **positioning** [MZZ+18]. **positives** [LLHT13, SK10]. **possible** [FCPA16]. **Post** [PWL+19, MFBC11, SHGH+15, SK13, YGX+19]. **post-correlation** [SHGH+15]. **Post-incident** [PWL+19]. **post-processing** [MFBC11, SK13, YGX+19]. **postMessage** [GSL+19]. **posts** [YLW+19]. **potential** [LK18]. **potentially** [SDM+18]. **Power** [FC12, MCN10, NTK+19, SG15b, BMH16, CKT11, CRJ18, KD13, MMF19, RDAS19, RE19, UAK16]. **poweRed** [VRRK17]. **PRAC** [WZW16]. **PRACIS** [dFGMTPL17]. **Practical** [LCZ17, MG12, CWGD15, HXS+16, LMLK16, MFBC11, ML14, SHB12]. **Practical-oriented** [LCZ17]. **practically** [DPP+19, WCDY18]. **Practice** [KHG17, Mic12a, KL18, SPFB19, SYX+16, TLJ14]. **Practice-based** [KHG17]. **practices** [DM19, MM15a, MM15b]. **practitioner** [LDB18, TG14]. **Practitioners** [Cae12, RS15]. **pragmatic** [PSK+17]. **precise** [HDMKS10]. **predict** [BWMG17]. **Predicting** [SWS15]. **prediction** [BLS+16, KKK17, MCG19, RBJ18]. **predictors** [AAA19]. **Preface** [Ano17v, YRA15]. **preferences** [LDB18]. **preliminary** [TFPC10]. **PREON** [HMFE10]. **preparedness** [BM17a]. **preprocessing** [DC11]. **presence** [TFE10]. **preservation** [CVS18, FZZ+12, GL18, SS16]. **preserved** [AG18, JWZX19]. **Preserving** [HBB12, PMDM10b, ANS13, AMK18, AKAuR19, APMCR13, BBDP16, BHC18, CBL+19, CZZ+19, CRJ18, CLF17, DYL+14, DDSP17, GWKFC19, GH15, HDT+19, KNX18, LLY17, LML+17, LMLL19, LSQ15, LCZ17, Ngu18, OSP+19, QLZ19, RD19, RR16, SKA+19, SMS+16, Sul19, TMP15, TAP18, XLT+17, XLS+19, ZYWZ14, dFGMTPL17]. **pressed** [dSFK16]. **pressures** [AFF14]. **prevent** [HK13, JCD14, MKG16]. **preventing** [CAM19a, WP10]. **Prevention** [BBC17, CY16, DLH+17, PAP+17, SRU18, YG18]. **PRIDE** [HXS+16]. **Prime** [SLN+15]. **priming** [CGLP18]. **principles** [Den14]. **printed** [PYLL19]. **printer** [MGYC18, UAK16]. **printouts** [LPR10]. **prioritisation** [SHGH+15]. **Privacy** [ANS13, AMK18, Ano12r, Ano15i, Ano19i, BRH15,

BHC18, BJW19, CRJ18, HBFJ19, JWZX19, KSG17, Kok17, KKKP18, LLYD15, LMLL19, LSKF12, Ngu18, RD19, SS16, Sul19, WX19, ZBB17, dFGMTPL17, AG18, ARL13, APMCR13, ARG+17, AuRMC+18, Ano15j, BAH18, BBDP16, BGR11, BCCS18, CVS18, CBL+19, CDE+11, CLS17, CZZ+19, CGLP18, CLF17, DYL+14, DDSP17, FZZ+12, GGV18, GWKFC19, HBB12, HSR19, HZNF15, HYZ18, JXK18, JLPJ18, KNX18, KKK17, KKP10, KV15, Kül12, LLY17, LML+17, LSQ15, LCZ17, LZ19, MZZ+18, MOV14, MT17, NSGF16, NAMX14, OSP+19, PCP+18, PMLK+11, PAS+18, QLZ19, RR16, RFGL18, RVEK10, SGLC16, SKA+19, SA19, SSNS15, SYCS11, SKLD14, SMS+16, SMA+18, TMP15, TAP18, WZW16, WS17, WWY+18, XLT+17, XLS+19, ZYWZ14, ZS15]. **privacy-aware** [ARL13, BAH18, RFGL18]. **privacy-enhanced** [SMA+18]. **privacy-friendly** [ZS15]. **Privacy-oriented** [KKKP18]. **Privacy-preserving** [ANS13, AMK18, CRJ18, Ngu18, RD19, Sul19, dFGMTPL17, APMCR13, BBDP16, CZZ+19, DYL+14, DDSP17, GWKFC19, KNX18, LSQ15, LCZ17, QLZ19, RR16, SMS+16, TMP15, XLT+17]. **PrivaKERB** [PMLK+11]. **Private** [HW12, KKK17, CSXL15, CSX+15, DLOP17, KTCS19, NLC+19, ST19, TMN+17, WLF+19, YGX+19]. **Privilege** [AM17b]. **privileged** [SC19]. **privileges** [DFJ+13, ZZ12]. **PriviPK** [ATL+17]. **pro** [ZHZ+15]. **pro-active** [ZHZ+15]. **Proactively** [OPHC16]. **Probabilistic** [SLP13, SPR18, BPA+11, MM17, SEJ10, WZK13]. **probabilities** [Kam19]. **probability** [AAD+18, KPD15]. **probing** [BHDA14]. **problem** [LWZ+17, LJJL15, SSF16, SPD+15, TFE10]. **procedure** [AM17b, PSK+17]. **Process** [dABM+18, AWDB19, ALF+18, BR18, CJSM17, DE16, EMWE19, FSZ+17, KEE13, MSRF18, Nie17, PWWY14, PAS+18, RRK+17, WJAM11]. **processes** [AP14, LJS19, MM15a, MWAG16]. **processing** [MFBC11, SK13, YGX+19]. **processor** [MJW+18]. **product** [JGLE16, YI17]. **products** [PAS+18]. **professional** [TBSR14, TRB18]. **professionalisation** [RS15]. **profile** [HS11]. **Profiles** [AH18, RR14]. **Profiling** [BWMG17, ESY+15, ICRB14, NF15, HA14, PSS19]. **Program** [Mic12e, SS18b, SKG17, HNSD18, TL15]. **programmable** [CY16]. **programmer** [Bay12b]. **programming** [AGSR+18, WLZ+19]. **programs** [BBC17, CDKR18, DBH17, TKK15, ZLW+15, ZWNM19]. **progress** [BCD+17]. **progress-sensitive** [BCD+17]. **promoted** [GAA18]. **Proof** [YLN+19, HYLY19, QHW+19, VBC+15]. **Proof-of-QoS** [YLN+19]. **propagating** [GFN11]. **Propagation** [PWWY14, CSWX19, CAM+18, RMG11, SPCCMMS18]. **Properties** [FGOPL10, DPP+19]. **Property** [JJ14, FCSD10]. **Property-based** [JJ14]. **proposed** [HWB10]. **protect** [LMM+12]. **protected** [HMNT10, PNKK17]. **Protecting** [ABS14, DSNH17, WS17, ABR18, WW15]. **Protection** [DPP15, Ano15j, BCCS18, BHCTR12, DC16, FLBK15, GSBY18, HSL19, HYZ18, Ifi12, JK19b, KKK18, KvS10, Ksi12, LLL+18, MWL18, NKL+18, PK17, PCC+18, SS17a, ySTJA+16, TMN+17, Ver18, WZW16, WWY+18].

protective [AM18b]. **Protocol** [TWNC18, VMS18, AG18, BGR+17, BPA+11, CIS17, CSWX19, FK13, GH15, Gop19, GMLZ11, KKKP18, MVK16, NAS19, NML19, RVEK10, SKA+19, Su10, SMA+18, SMK18b, TOZJ13, TUB16, THA+13, YtLpZD14, YLN+19]. **protocol-based** [TUB16]. **protocols** [ACC+13, BKP10, BJ10, DJP17, DLOP17, HWB10, JWZX19, JAAS19, JCD14, KP18, Ksi12, LDC13, LCZ17, MK11, PS10]. **prototyping** [Ril13]. **provable** [SYWX19]. **Provably** [PS10, SM10]. **prove** [HZG19, HZG20]. **Provenance** [FB19, AKAuR19, HK17, JKA+18, RG19]. **Provenance-based** [FB19]. **provide** [Kül12]. **provided** [Tau11]. **Provider** [OM13, ANMN19, JL10, TL15]. **providers** [HBB12, TBDM14]. **Providing** [SS17a]. **provision** [Hor16]. **provisioning** [MKP12]. **provisions** [KCJB12]. **proximity** [ARL13, GKB14]. **proximity-based** [ARL13]. **proxy** [CIS17, KNM+17]. **pseudo** [WN15]. **psychological** [HKK17, MWL18, Wor10]. **psychophysics** [BLR17]. **public** [GDR15, MZZ+18, SPFB19, ZS15]. **publication** [ARG+17, LZ19]. **Publications** [SG15a, TG15]. **publicly** [LCMF18, UB12]. **publish** [Uzu16]. **publish/subscribe** [Uzu16]. **publishing** [ANS13, AMK18, Spa10c, Spa11e]. **PUFs** [KPD15]. **purification** [AAdM19]. **purpose** [SWLZ11]. **puzzles** [JM13].

Q [PMB+14, PCP+17]. **QoP** [Ksi12]. **QoP-ML** [Ksi12]. **QoPI** [KKK17]. **QoS** [YLN+19]. **quadratic** [NDMM13]. **Quality** [KKK17, Ksi12, Sav13, CZH+14, RRK+17, RMW10]. **quality-of-service-supported** [RRK+17]. **Quantitative** [BPA+11, HT12b, MVD19]. **quantum** [Kam19, MFBC11, YGX+19]. **Quasi** [AAdM19]. **Quasi-purification** [AAdM19]. **queries** [YGX+19]. **Query** [CWCC12, LJJL15, JC14, XMY+17, XLS+19, ZZC17]. **querying** [AIB+14]. **Question** [TWNC18]. **Questionnaire** [PMB+14, PCP+17]. **queue** [WP12]. **quorum** [IGS17]. **quorum-based** [IGS17].

R [GHÁGGT18]. **R-Locker** [GHÁGGT18]. **R2D2** [GSBY18]. **radiation** [UAK16]. **rail** [NTK+19]. **Random** [RW13, LHM13, QLZ19, WN15, ZZZY13]. **randomised** [TC11]. **randomization** [VC12]. **randomized** [TTJ19]. **range** [XLS+19]. **ranging** [DHZ19]. **RANs** [FYL+17]. **Ransomware** [ArMS18, CW19, CGR18, GHÁGGT18, SMM+19]. **rapid** [LMS14, WZW+10, HSPX14]. **rare** [GOGG19]. **rate** [TH18]. **rates** [SBL19]. **rating** [AIB+14]. **ratings** [MSMK18]. **RBAC** [CDOV10, GKB14, JSVA14, LZS+16, LJJL15, ZDBW11]. **RDF** [AAL16]. **RDF-based** [AAL16]. **re** [DLH+17, Par18]. **re-delegation** [DLH+17]. **re-registration** [Par18]. **reachability** [SYGR11]. **Reactive** [GSBY18]. **readiness** [EAML15, RV13]. **Real** [MMJ14, RAA15, SKKP12, AHTS15, GHDGRLM17, LSA+19, MTT+16, NZGH16, NTK+19, SYX+16]. **real-life**

[SYX+16]. **Real-time** [MMJ14, AHTS15, LSA+19, MTT+16, NZGH16, NTK+19]. **realistic** [BSMT14, GH15]. **Really** [Ano14s, KH12, SW19]. **reasonable** [BB11, RFW+18]. **reasoned** [KMW19]. **reasoning** [PBR11, SOG15, ZYRZ16]. **rebroadcast** [ZZ12]. **receipt** [DJP17]. **receipt-free** [DJP17]. **receiver** [MW11]. **receiver-bound** [MW11]. **recipient** [VVS12]. **reciprocity** [ASO19]. **recognition** [BMMP18, DB13, DRP+12, FC12, Kal19, SS16, SWS16, dRMC+16]. **recognized** [KKP+18]. **Recognizing** [ACS+18, HWX+19]. **Recommendations** [TKK15, GMdF19]. **Reconciling** [SSNS15]. **Reconnaissance** [TG15]. **Reconstruction** [LPR10, LMLL19, UAK16]. **Record** [NT18, CC14]. **recording** [CAM19a, NKL+18]. **records** [AuRMC+18, BBD+19]. **recovery** [MBP19, TCNFW16]. **recruitment** [BWMG17]. **recurrent** [RBJ18]. **recursive** [HDK18]. **redirection** [AYY+17, GSZX18]. **reduce** [BWOD13]. **Reducing** [PNKK17, SK10, YGX+19, LLHT13]. **reduction** [LMLK16]. **redundancy** [GZS19, GSBY18]. **Reed** [FCSD10]. **reference** [CHRI16]. **refinement** [CDS+19]. **reflection** [AH10, WRTA17]. **registration** [CWY+12, Par18]. **regret** [Ver18]. **regulating** [HDT+19]. **regulation** [Hor16]. **related** [EHMJ19, Guo13, MMCA11, SMM+19]. **relational** [SEJ10]. **Relationship** [LC15, BSL19, PWWY14]. **Relationship-based** [LC15, BSL19]. **relaxed** [YGX+19]. **Relay** [IHED15]. **releasing** [Jän14]. **reliability** [ALZ+11, ODB18]. **Reliable** [Hor18, GZS19, HHK+19, OAO17, VSO+18]. **remaining** [JAN19]. **remediating** [Hol12]. **remediations** [ACC+13]. **Remote** [XYY+12, BS17, HL12, TTJ19]. **REP** [AM13, ABHS18]. **repackaged** [LLCT13]. **replay** [JCD14]. **replicated** [YWS17]. **report** [BS19]. **reported** [TLJ14]. **reporting** [MP18]. **reports** [Cho13b, LCMF18]. **Representation** [AIB+14, DWZ19, KKK17, RAMR17, XSD19, YXD+11]. **representative** [GZP+13]. **repudiable** [PW13]. **repudiation** [VBC+15]. **Reputation** [ABHS18, BAH18, HBB12, KKS13, LMM+12, TMP15, YAXY19]. **reputation-based** [LMM+12]. **requirements** [AP14, BB11, KV15, Les18]. **rescue** [ZLC13]. **Research** [SSK17, ArMS18, AM18a, ADWM18, BEB+18, CLS17, Cho11, CBGN18, CJL+13, DPPB17a, DMC19, FPS11, GJ18, Hor18, Kok17, LCZ17, MK19, MMKV15, SPFB19, WMPA19]. **researchers** [PMP+15]. **residual** [MGYC18]. **resilience** [CJW+19, TCNFW16]. **Resilient** [ALC17, CAM19a, JLPJ18, YHL+15]. **resist** [FE16]. **resistant** [HK13, KNM+17, MLH+18, TOZJ13]. **resizing** [YYL+15]. **resolution** [GWEA18]. **Resource** [PAS+18, BRA18, HS13, HSPX14, HXS+16, HDT+19, LZCX18, RFB17, VVS12]. **resource-constrained** [BRA18, HSPX14]. **resource-limited** [LZCX18]. **resource-preserving** [HDT+19]. **resource-saving** [VVS12]. **response** [AHR12, GTGB16, Len12, PCP+18, SSCHL14, TVPV19, ZNAHK11]. **responses** [MVD19]. **responsibilities** [VVS12]. **responsibilization**

[RFW+18]. **responsive** [ZH13]. **restrictions** [SMP13]. **result** [JC14]. **results** [VSB+19]. **Rethinking** [JJL+19]. **retrieval** [ZLL+18]. **retrospective** [BB11]. **return** [ABC+19]. **Revealing** [HSR19, MMPC18]. **Reverse** [MLM17, CWGD15, JLK16, OP11]. **reverse-engineered** [JLK16]. **Review** [SG15a, TG15, AAMDGR18, Bon19, CCM+18, CBB+16, Cho13b, CP18, DC11, ESCAM17, FB14, GGV18, GDR15, Guo13, IAA+19, IH19, Kok17, Les18, SSK16, SA16, SDM+18, WB16, XL19]. **Reviewer** [Ano18r, Ano19r]. **revisit** [RHL15]. **revisited** [AKK+13, FGOPL10]. **Revisiting** [HBBM16]. **revocable** [LML+16]. **Revocation** [DFCC16, HMFE10, LAHV17, LXH+18, WLWG11]. **revoking** [ZZ12]. **RFID** [GH15]. **ride** [GBC19]. **ride-sharing** [GBC19]. **Rights** [SE11, Ven18]. **RIPsec** [LMM+12]. **rise** [CW19]. **Risk** [Mic12e, TDJB18, AKFM18, ANMN19, AAH+18, ABR16, BPG+19, BRH15, BJ13, CBB+16, CGW15, GBC19, HBFJ19, HOVB17, KBAL13, KL18, KMW19, MB17, MHS17, MHL+17, NZGH16, NML19, PC12, RFB17, RFW+18, Rua17, SK18, SAL12, SSCHL14, SSABC16, SEJ10, SKG17, VHBJ19, WAMS14, bORF+15]. **risk-based** [GBC19, SK18, SAL12, SKG17]. **risk-oriented** [NML19]. **risks** [LSSK16, QFG12, vDBD13]. **RO** [KPD15]. **RO-PUFs** [KPD15]. **roaming** [XN14]. **robots** [GHDGRLM17]. **Robust** [DLH+17, TLZL16, ASO19, BWR12, BEGW+19, BLS+16, KMG17, SS17a, lTLqZqC19, WHZ+19, YCJ12]. **Robustness** [SSY12]. **rogue** [TTCB18, VMTG15]. **roid** [DLH+17]. **Role** [SRDD13, CDOV10, CDV12, DMC19, HPJ+19, JJ12, PKP17, SSVA13, SYGR11, TKK15, VHBJ19]. **role-based** [SSVA13, SYGR11]. **Roles** [FPS11, GOGG19, HWX+19, MSVA16]. **root** [JM13]. **rootkit** [Ril13]. **ROP** [DCC+18]. **ROPSentry** [DCC+18]. **rough** [DKG13]. **round** [MK11]. **route** [NT18]. **routing** [BGR+17, CPGA13, IGS17, MAC17, RD19, Su10, ZLC13]. **Roving** [FW10]. **RTECA** [RAA15]. **Rule** [LSKF12, GZS19, KD13, YWYZ12]. **rules** [LKJ14]. **Runtime** [BJ10, CMM+10, DCC+18, COS19, FSZ+17, TS13].

S [CKJ+17]. **S-OpenSGX** [CKJ+17]. **SaaS** [TL15]. **SADUS** [YWZM18]. **safe** [KKP+18, RMVC+12, ZTL+19]. **Safeguarding** [NML19]. **safety** [AKFM18, ARG+17, DM19, ySTJA+16]. **safety/security** [AKFM18]. **sandbox** [MJRK18]. **sandboxes** [SMP13]. **sanitization** [LMS14]. **sanitizing** [IGS17]. **satisfaction** [MM15b]. **Saving** [BMMP18, VVS12]. **SCADA** [AYT+14, ADWM18, CBB+16, Kal19, LXDW16, LGZ+19, NPP17, NWD+12, SD17]. **SCADAWall** [LGZ+19]. **Scalable** [ZLL+19, CBL+19, DYL+14, DYZ+15, WLWG11, ZTC19]. **scale** [BLS+16, CGPP11, CTH10, GPGV16, JJL+19, OS17, SJCM17, SDM+18, VSB+19, ZWX+19]. **scales** [JXK18]. **scanning** [Hol12]. **scenarios** [KKS13, MPPS10, MLV16, MHL+17, PHMN16, RAA15]. **schedule** [CC14]. **Scheduling** [SLP13, KTG+18, SP15, SMK18b, VPNP18]. **scheme** [ARL13, AKAuR19, BD18, BWR12, CTH10, DDSP17, FZZ+12, Gar16,

GJJ18, GBC19, HL12, JWB16, JK19b, LML+17, NMX15, OSNZ19, PZ15, hRKRR13, SH15, SYWX19, SCR19, SMS+16, VSO+18, WHZ+19, XLS+19, ZLL+19, ZZ12]. **schemes** [ALRC12, HK13, IHED15, MBP19, NMX19, SS17a, SP15, SSK16, Sul19, ZKM+17]. **science** [HLL17, PC12]. **Scope** [Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano10z, Ano10-27, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x]. **Score** [PPdCL17, HW19]. **Scoring** [HA15]. **scrambling** [Kül12]. **screen** [IAA+19]. **Screening** [LLL15, YST+19]. **scripting** [VC12]. **SDC** [RNdP17]. **SDN** [CJA+19, CY16, FYL+17, PG19, SBZD17]. **SDN-enabled** [CJA+19]. **SDSS** [JWB16]. **SDSS-MAC** [JWB16]. **sealed** [ML14]. **SEAM** [GPGV16, YYL+15]. **search** [BTK15, JMGW17, RP19, SS17b, VMA16, Zin15]. **SEC** [HF17, Ano10-32, Ano12r, Ano17v]. **SEC'14** [Ano15j]. **SecKit** [NSFB15]. **Secloud** [ZHB+13]. **SECO** [DYZ+15]. **second** [JAN19, SNG+17, UB12]. **secret** [BEB+18, GEAHR11, LH11, Par18, SM10]. **secrets** [BS19, LDC13]. **SECRYPT** [Ano19i]. **sector** [LSC14]. **Secure** [AP13, DYZ+15, HM19, JKA+18, JWB16, JMGW17, LNK16, LML+16, LZCX18, MDHM18, MMPC18, OM19, OAO17, RR17, RRK+17, YWZM18, ZDBW11, AG18, AKAuR19, ATL+17, AAR+18, BCRAA13, Bon19, CCC+12, CJA+19, CM19, DA18, FYL+17, GWEA18, HW18, HZMH18, JL10, JJ14, JAAS19, KP18, LMS14, LM10, LLX+17, LXH+18, NKL+18, OSNZ19, ODB18, PDB14, PMP19, RAMR17, SLS+18, SLD12, SYCS11, SM10, THA+13, WHZ+19, WA19, XMY+17, ZY14, ZWX+19]. **Secure-channel** [JMGW17]. **secured** [NLC+19]. **securely** [JGM+13]. **Securing** [BKK19, DHZ19, EMWE19, JK19a, KW14, Mic12c, Mic12d, OBRK15, TXM+19, TG14, UFF12, BCK19, GH15]. **Security** [AAJ12, AX15, AKP14, Ano12r, Ano15i, Ano18b, Ano18c, Ano19a, Ano19i, BTM14, Bay13, BJW19, BCCS18, Cae12, EHBH+16, GPGV16, Guo13, GZ20, GZG20, HBHA18, HF17, HZG20, HSW17, JSVA14, LW12e, MCT+17, Mic12a, Mic12d, Mic12e, MSA11, NSFB15, NF15, OM19, PMB+14, PCP+17, RDAS19, RAMR17, SCRA17, SLH14, Spa10c, Spa11e, SG14a, TDJB18, UFF15, VMTG15, WL12, ZCZ+19, AKFM18, ACS19, AHP18, AHR12, ASFI18, AAH+18, AH10, ABP16, AFF14, AAdM19, AM18a, AAMDGR18, Ano15j, AIRC13, AM17a, AM17b, AM18b, BGR+17, BMH16, BM17a, BMO18, BTLT16, BKP10, BBC17, BFS+18, Bon19, BB11, BS17, BRM+18, BCK19, CSBW18, CLL+13, CHRI16, CBB+16, CGLP18, CJL+13, DE10, DPPB17a, DPPB17b, DSP16, DMC19, DE16, EGM10, EHMJ19, FHL14, FAE14, FE16, FT16, FK13, FPS11]. **security** [FC12, FanE+18, GBC+18, GCC18, GMMJ11, GB19, HPJ+19, HKK17, HL18, HSL19, HT12a, Hol12, HEK+18, HPF+16, HZMH18, HLFZ16, HLL17, HAHZ+18, IHED15, IAA+19, Ifi12, JKC+13, JCD14, KDC+14, Kar12, KHG17, KK16, KCJB12, KAF17, KMW19, KBM16, KD13, KvS10, KTG+18, KKS13, LMM+12, LDB18, LDC13, LAVK19, LLK16, LK18, LGZ+19, LSA+19, LMNM+19, MBE+12, MRS12, MKP12, MCN10, MMCA11, MM15a,

MWAG16, MTT+16, MAZAS17, MBAE+11, MCL+13, MM15b, NM19, NPP17, NCS14, NZGH16, NWD+12, NML19, NTK+19, ÖTC16, OS17, Pad12, PKP17, PDM19, PMDM10a, PC12, PCCM16, PS10, PAS+18, PBR11, QFG12, QHW+19, QLZ19, RC15, RE19, RAA+14, RS15, RFW+18, RRK12, RMVC+12, RVEK10, RR14, RHL15, RM17, SS17a, SSS+15, SVF16, SBL19, SCB+13, SJCM17, SPFB19, Sav13, STA18, SWS16, SSABC16]. **security** [SLG19, SW19, SYX+16, SWS15, SYWX19, Sil13, Sil19, SSF16, SOG15, SEJ10, SA16, SHB12, TBSR14, TBDM14, TMW17, THA+13, TLJ14, TRB18, TKK15, Uzu16, VV10, Ver18, VHBJ19, WZK13, WJ15, WAMS14, WHZ+18, WYS18, WHSE15, WW18, XNP16, XHZ11, XHC+10, YYJC12, YCH18, ZBBO15, ZBB17, ZLL+18, ZH13, ZHB+13, dVM15, dVM17, vDBD13, vdWEG18, vSvN13, HB18, MKG13, TMW17]. **Security-by-construction** [EHBH+16]. **security-critical** [NZGH16]. **Security-related** [Guo13]. **Security-SLAs** [HB18]. **security-state** [WHZ+18]. **see** [LHS+18]. **seeders** [AKJR14]. **SEIQV** [WZW+10]. **Selecting** [ALRC12, OM13, TL15, ASFI18, Pal10]. **Selection** [CH14, BK19, CGLP18, DRN16, GCD19, IHED15, KK17, KH12, ST19, SS13, lTLqZqC19, VDK18, YXD+11, ZS18]. **selective** [GTDVTSH15]. **Self** [BWMG17, LMNM+19, ABR18, BFTJ18, GFN11, HDT+19, MKP11, ZNAHK11]. **Self-efficacy** [BWMG17]. **self-modifying** [MKP11]. **self-optimizing** [ZNAHK11]. **Self-Organizing** [LMNM+19]. **self-propagating** [GFN11]. **self-protecting** [ABR18]. **self-regulating** [HDT+19]. **Selfholding** [DWF+19]. **selfish** [DWF+19, WLW+19]. **seller** [CTH10]. **Semantic** [CFH+11, MSV12, HL18, MBSR18, XSD19, ZLLL12, AAL16]. **semi** [hBCK17, PWWY14, SHB12]. **semi-automated** [SHB12]. **semi-Markov** [hBCK17, PWWY14]. **sender** [VVS12]. **senior** [BTLT16]. **sensing** [XLT+17]. **sensitive** [BCD+17, STA18, ZS18, ZNAHK11]. **Sensitivity** [AH18, BMMP18]. **sensor** [hBCK17, CVS18, GFN11, HR13, HL18, JWZX19, MMMG13, OAO17, RR17, SPYG15, SMK18b, TOZJ13]. **sensors** [BVWM19]. **sentiment** [ZDW19]. **SENTINEL** [OBRK15]. **separation** [PMDM10b, UPF17]. **September** [Ano10-36, Ano11-28, Ano12-28, Ano13z, Ano14y, Ano15u, Ano16x, Ano17u, Ano18o, Ano19q]. **sequence** [CSX+15, YLB+17]. **sequences** [LLCT13, WN15]. **sequential** [ARG+17, LXDW16, LWS+19]. **serial** [MCRB19]. **series** [RNR15]. **server** [BBDP16, BR17, PNKK17, PNKK17]. **servers** [PAS+18, SM19a, WLWG11, WJAM11]. **Service** [BSMT14, CGMP18, HW12, LC15, OM13, AAD+18, BOZL13, DYL+14, EGM10, HK17, IH19, JL10, Kar12, MKP12, MB17, RRK+17, SFK15, SLP13, SLD12, SVA10, SSK16, TL15, TUB16, TBDM14, TH18]. **Service-Oriented** [HW12, RRK+17]. **services** [Bel18, CAM19a, DYZ+15, FHF15, JAH+11, KSG17, NDSA17, NGSV16, PKK+14, RVEK10]. **session** [JCD14, TUB16]. **sets** [MCN10, RWS+19, SPK17]. **SGX** [CKJ+17, KJP+19, PPKK19]. **SGX-LEGO** [KJP+19]. **Shades** [SG14a]. **Shadow** [SB14, Sil19].

SHADuDT [AP13]. **Shaping** [FE16, HSL19, MT17]. **share** [GJJ18]. **shared** [GEAHR11, LDC13, LXH+18, Par18, SSF16]. **sharing** [DYL+14, FAE14, GBC19, JWB16, LKJ14, LH11, LZCX18, QAR+17, SSF16, TBSR14, WMPA19, WLWG11, WHZ+19, dFGMTPL17, dLGHK18]. **ShellBreaker** [LHI+19]. **shells** [LHI+19]. **shortfalls** [SMP13]. **shoulder** [YWL+17]. **shoulder-surfing** [YWL+17]. **side** [CAM19a, FNE19, NADZ18]. **side-channel** [FNE19]. **SIEM** [BS17]. **SIGMA** [KKKP18]. **sigmoidal** [RHL15]. **Sign** [ACC+13, SCRA17]. **Sign-On** [ACC+13, SCRA17]. **signal** [UAK16]. **signaling** [hBCK17]. **signals** [LNK16]. **signature** [GOB11, MLK14]. **signature-based** [GOB11, MLK14]. **signatures** [CIS17, GTDVTSH15, HAGTdFR13, LLL15, LPR10]. **signed** [ASO19, ALZ+11]. **significance** [BCK19, CGR18]. **Significantly** [CBL10]. **signing** [ALZ+11]. **silence** [SMK+18a]. **Silver** [Ano12r]. **similarities** [BGL18]. **Similarity** [DVC18, BM17b, wJKW+16]. **SimMonitor** [XNP16]. **simple** [UPF17]. **simulated** [KBM16]. **Single** [ACC+13, GMMJ11, MCRB19, RVEK10, SCRA17]. **single-factor** [GMMJ11]. **sinkhole** [HR13]. **SIP** [DSNH17, EGM10, KMM13, hRKRR13]. **SIP-based** [EGM10, KMM13]. **site** [JCPACRV12, VC12]. **sites** [VMTG15]. **situation** [WAMS14]. **situational** [FB14]. **size** [JC14, SP15]. **size-based** [SP15]. **sketches** [CGPP11, CYLL17]. **skip** [SS18a]. **skip-gram** [SS18a]. **SLAs** [HB18]. **Slow** [TH18]. **SlowBot** [FCPA16]. **slurping** [KK10b]. **small** [OS17]. **small-scale** [OS17]. **Smart** [BD18, BJW19, HX17, LAR13, PAP+17, SMA+18, VHBJ19, Bel18, BL15, CRJ18, GWKFC19, HLB+18, HLB19, JK19b, KNX18, KMW19, LSSK16, Les18, RVEK10, SYWX19, Sul19, WZW16, XXLZ18, XdZMsC18, ZH13]. **smarter** [ADF+10]. **smartphone** [BRH15, HSR19, KN14, LLL15, MKG13, PWWY14, Ver18, AFF14, MMMG13]. **smartphones** [MLKC17, MJW+18, SPYG15, ZHB+13]. **smartwatches** [NM18]. **smooth** [DKG13]. **SMS** [LH11]. **SMSes** [SNG+17]. **SMT** [TdHRZ17]. **smudge** [KN14]. **Snake** [BBDP16]. **snakes** [NDMM13]. **SNAPS** [RG19]. **snapshot** [RG19]. **Snatched** [BS19]. **SNMP** [CMPR15]. **Snowden** [PCP+18]. **Social** [AF14, GMGTdFR14b, Hat18, MLV16, PKK+14, SG15a, AWZ+17, ASO19, AIB+14, ACS+18, Ano13-30, AM13, CFH+11, CLL+13, DPPB17a, ELG+17, FE16, FFGL18, GL18, Hat19, HL18, JHJ+16, JJA13, JJ14, LLYD15, Med18, MMKV15, Nie17, PZ15, PSS19, PWWY14, SS11, SSAK12, SNG+17, SKLD14, Ven18, WS17, WWY+18, YWND14, vdWEG18]. **Socialized** [GHL+17]. **socially** [AM17b]. **socioeconomic** [DM19]. **Sociometrics** [BRM+18]. **Socket** [WA19]. **SOFIA** [dCGÜ+17]. **Soft** [ICRB14, SS16]. **Software** [AX15, KL18, MG12, TDJB18, dCGÜ+17, AAT16, ABC+19, BS17, EMWE19, HLB19, HHK+19, JJL+19, JGLE16, KYZ15, LM10, MM15a, RMVC+12, SA19, Sil13, TBDM14, ZLLL12, Zhu18, GWKFC19]. **software-defined** [HHK+19]. **Solomon** [FCSD10]. **solution** [MDHM18, ML14, SCRA17, SVGE14, UFF15, ZHB+13]. **solutions** [AM17a, SG10b, Uzu16]. **Solving** [GCC18]. **SOM** [TFPC10]. **SoNeUCON**

[GMGTdFR14b]. **sophisticated** [NNNQ18, TR18]. **Source** [CB12, PYLL19, TG15, AM18a, HDMKS10, MGYC18, NMX19, RM17, Sil13, WW18]. **sources** [SPFB19, SS18b]. **space** [CC14, YWZM18]. **spaces** [ANAT15, ADF+10, CHK+19, CC14]. **spam** [LWZ+17, LGS14, VVS12, WWXZ18, YKH10]. **spammers** [FFGL18, VMS18]. **SPARQL** [AAL16]. **SPARQL/SPARUL** [AAL16]. **sparse** [ANAT15]. **SPARUL** [AAL16]. **Spatial** [JXK18]. **spatio** [MCY+18]. **spatio-temporal** [MCY+18]. **Special** [Ano12r, Ano13-30, Ano19i, BJW19, HLL17, LM10, YWND14, Ano15j, Ano17v]. **Specification** [CHK+19, KFGL19, SBW10]. **specification-based** [SBW10]. **specifications** [PS10]. **specifiers** [ODB18]. **Specifying** [dLGHK18]. **spectrum** [YLB+17]. **Spherical** [ANAT15]. **Spi** [PS10]. **spies** [MAC17]. **SPIT** [AMS18]. **splay** [TZMG15]. **split** [MPM15]. **split-personality** [MPM15]. **splitting** [CSXL15]. **spoofing** [MA17]. **spread** [YLB+17]. **spreading** [WZW+10]. **SQL** [CWCC12, JC14, KPS16]. **SQLiGoT** [KPS16]. **square** [JM13]. **squaring** [SLN+15]. **Stability** [WZW+10]. **Stable** [LGS14]. **stack** [LLL+18]. **Stackelberg** [GCC18]. **stage** [CAL15, LAVK19, RBJ18, TFPC10]. **Staircase** [CVS18]. **stakeholder** [BTM14]. **stakeholders** [MR11, RR16]. **stalkers** [ESCAM17]. **Stalking** [ESCAM17]. **standardisation** [KBM16]. **standardization** [HB18]. **standards** [Les18, VHBJ19]. **starvation** [HT17]. **State** [GJ18, NCGE15, RDAS19, SMP13, WHZ+18, ZTL+19, ZLW+15]. **state-of-the** [NCGE15]. **stateful** [AGL12, GACCB+13, LK18]. **stateless** [BBDP16]. **Static** [ZW14, CKT11, DRP+12, GDR15, HXW+19, YXD+11]. **stationary** [CC14]. **Statistical** [TZMG15, CPVGTMF16, HMNT10, MW11, TZZG13, WN15]. **status** [AM17b, MJBKZ15, SW19]. **Stealing** [AKJR14]. **Stealth** [MAC+15]. **stealthy** [RDAS19, ZYRZ16]. **steganalysis** [LHM13]. **Steganography** [YWYZ12]. **step** [NDP18, RAA15]. **stepping** [YW11]. **stepping-stone** [YW11]. **steps** [CGGFGMF19]. **Sticky** [SBE17]. **stochastic** [HBT+19]. **stock** [KCJB12, SA16]. **stone** [YW11]. **storage** [CCC+18, JWB16, LML+16, PAS+18, XYY+12]. **stories** [ZMYB17]. **storm** [AH13]. **strategic** [DLB+19, RM17]. **Strategically** [AWDB19]. **Strategically-motivated** [AWDB19]. **strategies** [AAdM19, AAMDGR18, DRN16, HBT+19, TUB16, ZS15]. **strategy** [MHS17, PTM+18, lTLqZqC19, ZS18]. **stream** [RNdP17]. **streams** [CBL+19, WLF+19]. **strength** [AM13, GZ18, GZ20]. **Stress** [KGSN17, LLK16]. **strong** [GH15, GZG19, GZG20]. **structural** [ALZ+11, CMV16, DSNH17]. **structure** [JKA+18]. **stubborn** [WLW+19]. **student** [NF15]. **studies** [PMP+15, PCP+17]. **Study** [JCPACRV12, AH10, AHGC19, BMH16, BM17a, BTLT16, CMV16, CKA+17, DSP16, GFN11, HCR10, HLFZ16, KPKS15, KL18, LSKF12, MK11, Nie17, OS17, SBK12, SWS16, SYX+16, SS18b, SBS+18, VHBJ19, VSB+19, WYS18, WWXZ18, YGZG19, ZDW19, ZGZ+13, dVM15]. **Studying** [GL18]. **Stuxnet** [MSR19]. **style** [PZ15, WP10]. **Styx** [BRH15]. **Sub** [AAdM19].

Sub-optimality [AAdM19]. **subcultures** [dVM17]. **subfields** [RM17]. **subjective** [HOVB17]. **subscribe** [Uzu16]. **subsequent** [MVD19]. **substations** [LAR13]. **subtle** [YGX+19]. **success** [ArMS18]. **Successive** [XdZMsC18]. **Sudhanshu** [TG15]. **suggestion** [WWY+18]. **suitable** [Pal10]. **supervision** [JL10]. **supply** [CRJ18]. **Support** [CH14, MC18, CCM+15, GZ10, HHAW19, Jän14, NGSV16, SRU18, VDK18]. **supported** [RRK+17]. **supporting** [AHR12, FanE+18, HZMH18]. **suppression** [SMK+18a]. **SURF** [YCJ12]. **surface** [BM17b]. **surfaces** [ELG+17, PNKK17]. **surfing** [YWL+17]. **surrounding** [Hor16]. **surveillance** [FW10, PCP+18]. **Survey** [AMS18, EGM10, HZMH18, IH19, JAN19, KS14, LCMF18, STSB17, UAB19, WMPA19, WWXZ18, AR17, ArMS18, AZ17, AX15, BGL18, BEB+18, FGHHR18, FPS11, HBBM16, HAGTdFR13, JvOW11, KKM11, LK10, MTC+18, MPPCFG+12, NDP18, NPP17, NCGE15, RC15, RWS+19, RMVC+12, SMP13, SSK19, SSF16, Sul19, Tau11, TZTC16, TR18, UFF12, Uzu16, VBC+15, ZKM+17, ZLK10]. **sustainability** [LMG18]. **sustainable** [BCCS18, VPNP18]. **SVM** [CH14, GWWW19, KPS16]. **Swarm** [KKM11, EE15]. **Sweden** [Fra17]. **switching** [YWYZ12]. **symbiosis** [SBW10]. **Symbolic** [SMC+18, SYGR11]. **symmetric** [ZCZ+19]. **Sync** [SFK15]. **synchronisation** [SFK15]. **synthesis** [BJLS17, Guo13]. **synthetic** [SSY12]. **System** [BD18, HA15, ZY11, AAH+18, ATG11, ABHS18, BAH18, BTLT16, BOZL13, CCM+15, CJA+19, CKJ+17, CJSM17, CGW15, FSZ+17, FKSK19, GH15, GHDGRLM17, HDK18, HHBS18, HXS+16, IRC+17, wJKW+16, JFR13, Kha12, LMS14, Len12, LXDW16, LMLK16, LML+16, LLX+17, LLCT13, MCN10, MK19, MCT+17, MMJ14, MB18, MLH+18, NTK+19, ODB18, OS17, PW13, RDAS19, RG19, RP19, RV13, RHL15, SE11, SS16, SJCM17, SMM+19, SSCHL14, SRU18, SLD12, SC19, SOG15, TFPC10, VDK18, VSB+19, WRTA17, WHSE15, XHZ11, YWS17, YG18, YXD+11, ZZ19, ZLL+18, ZWX+19, ZH13, ZS15]. **system-level** [CKJ+17, WHSE15]. **Systematic** [DEP13, LZBS13, Bon19, CSBW18, CCM+18, FB14, GGV18, IAA+19, IH19, NDP18, SSTG12, SSK16, SA16, XL19]. **Systematically** [SHB12]. **Systems** [AF14, Ano19i, AMS18, BJW19, AR17, AHP18, ALC17, AIB+14, AYT+14, Ano15j, AM17a, CM19, CXF+18, CZH+14, CBB+16, CZZ+19, DMR19, DLDTGMMP15, DPP+19, EGM10, GOB11, GM12, Guo13, GKB14, HW18, HBB12, Ifi12, JCPACRV12, JWB16, JJA13, Kal19, KBAL13, KL18, KN14, LM10, MDHM18, MLK14, MMF19, MSRF18, NZGH16, Nie17, NFGL16, PHP19, PK17, PPdCL17, RARL19, RAMR17, SA19, SAL12, SK10, SMS+16, TTCB18, Tau11, TS13, UFF12, UFF15, Uzu16, VEPZ15, VSO+18, WP10, XHC+10, XLT+17, YG18, YLB+17, ZHZ+15, ZGD19, ZW14, dRMC+16, AKFM18].

table [DDSP17, IGS17]. **tabular** [AMK18]. **Tactics** [Cae12, Mic12d, AWDB19]. **tagging** [WWY+18]. **taint** [CWGD15, ZLW+15]. **Take** [DKG13]. **taking** [AM18b]. **Tallinn** [PTM+18]. **Taming** [CDOV10].

Tangible [HZMH18]. **Tap** [NM18]. **Tap-based** [NM18]. **target** [APMCR13, DRP+12, HEK+18, LSQ15, lTLqZqC19, ZS18, qZLxCjY17]. **target-driven** [APMCR13, LSQ15]. **Taxonomising** [CW19]. **Taxonomy** [BFS+18, Pad12, SSCHL14, SSABC16, ArMS18, HLB+18, HAGTdFR13, HZNF15, KUA+18, MKP11, PRMD10, ZKM+17]. **TC** [Ano15i]. **TC-11** [Ano15i]. **TC11** [Ano10t, Ano10u, Ano10v, Ano10w, Ano10x, Ano10y, Ano10z, Ano10-27, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x]. **TCP** [AH13, YW11]. **TCP/IP** [YW11]. **TDL4** [CKA+17]. **TDSS** [CKA+17]. **TDSS/TDL4** [CKA+17]. **teaching** [AAL16]. **teaming** [BRM+18]. **teams** [AHR12]. **Tech** [LW12c]. **Technical** [Ano10x, Ano10y, Ano10z, Ano10-27, Ano10-28, Ano10-29, Ano10-30, Ano10-31, Ano11t, Ano11u, Ano11v, Ano11w, Ano11x, HX17, TR18]. **technique** [EHMJ19, HDK18, LH11, qZLxCjY17]. **Techniques** [Cae12, Mic12d, USB17, AZ17, BJJ+17, CCM+18, GCD19, HEK+18, JJL+19, Kal19, MTT+16, NNG+18, NPP17, SCLD19, SGK+16, UAB19, Zin15, TG15]. **technologies** [HZNF15, LK18, YST+19]. **technology** [ESCAM17, HBHA18, HOVB17, KCJB12, MT17, QFG12, Spa10c, Spa11e, TRB18]. **telephone** [GMMJ11]. **telephony** [SMK+18a, SG10b]. **template** [BCRAA13, DDSP17, PGdCL16, SS17a]. **templates** [BCRAA13, MLV16, QLZ19]. **temporal** [ABR16, BM17b, DSNH17, JSVA14, Kal19, LWS+19, MCY+18, MSVA16, SSVA13]. **tenant** [MPCK18]. **term** [VBC+15]. **terrorist** [STSB17]. **test** [SMC+18]. **test-patterns** [SMC+18]. **testbeds** [ADWM18]. **Tester** [CB12, KG13]. **Testers** [LW12b]. **Testing** [SG15b, CSWX19, EMWE19, Hat19, KCB13, KBM16, Ril13, WN15]. **text** [JKC+13, NCS14, ZMYB17]. **text-based** [NCS14]. **textual** [MVD19]. **TFTP** [SMB16]. **thanks** [CBL10]. **theft** [BS19, ZMYB17]. **Their** [AS13, PSS19, ROW19, SMP13, SS18b]. **Theorem** [QHW+19]. **theoretic** [CGP17, SKTO13, YLB+17]. **Theoretical** [HSL19, Bay13, EAML15, LZBS13, RE19, Wor10]. **Theory** [DPP15, Mic12a, AP13, CLL+13, Ifi12, LSKF12, RB12, SYK14, ySTJA+16, Ver18]. **there** [VHBJ19]. **Things** [CGMP18, PCC+18, CBGN18, SBK12, SSSC18, AAC+19, AAR+18, ABHS18, Bel18, BOZL13, HYLY19, MAZAS17, NSFB15]. **thinking** [Bay12c]. **third** [AF14, PW13, SSAK12, SBS+18, TXM+19, VHBJ19]. **third-party** [AF14, SBS+18, TXM+19]. **Thor** [LW12e]. **thread** [LLCT13]. **thread-grained** [LLCT13]. **Threat** [LK18, XL19, AWDB19, ArMS18, AH18, CGMP18, CAY+18, Cho11, FCPA16, FW10, HLL17, KGSN17, KKS13, LCMF18, MPM15, MVD19, NTK+19, QAR+17, SCLD19, TR18, WMPA19, XN14, ZMYB17, ZW19]. **threats** [AM17b, BJ13, BJJ+17, FSSF15, HBHA18, HLB+18, JvS17, LAR13, NB19]. **three** [CAL15, HWB10, MVD19, WLF+19]. **three-party** [HWB10]. **three-phase** [WLF+19]. **three-stage** [CAL15]. **thresholding** [DT19]. **throughput** [NAS19]. **Thumbs** [NKL+18]. **thwart** [Rru16]. **Thwarting** [GHÁGGT18, WLZ+19]. **ticketing** [MPPCFG+12]. **Tier** [TTJ19]. **Time**

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