A Complete Bibliography of Publications in the *Journal of Computer Security*

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23 September 2019
Version 1.05

Title word cross-reference

$_2$ [QJ97]. k [CYC18, LWZZ15]. Ω [RFLW96]. π [SV03].

-jump [LWZZ15]. **-Skyband** [CYC18].

5PM [BEM+13].

9798 [BCM13].

ABAC [BAVS19]. **Abadi** [MW04]. **Abelian** [MS05a, MS05b]. **abstract** [BPT19, GM10, GTZ04, MMHS13, PG09]. **Abstractions** [NSC18, CDF+08]. **Accelerated** [Elb08]. **access** [AJS12, AHB08, ASL96, ACDS08, ACK+10, AR12, BBFR00, BDJP10, BS02, BGS06, Bro02, DFP+13, DFP+18, HSR08, HTS00, HPS03, KNS08, LKAJ16, LCL+15, MMRS19, RW97, SAsC11, TR11, TL07, UAV+14, VAGL09, YGSY15, YSD13, ZRG08]. **Accessing** [DLL+18]. **Accountable** [BBS+15, BLL02]. **Achieving** [AJB93, HH09]. **Action** [Sin97].

active [BPS08, KGA03]. **activity** [TC16]. **Ad** [ZSXJ06, AJS12, RCBM07, RH07, ZDM07]. **Ad-Hoc** [ZSXJ06, AJS12]. **adaptation** [Bis12]. **adaptive** [KB11]. **Address** [XC09, PSJ+13]. **Address-space** [XC09]. **Adjoining** [GM10]. **administration** [SB99, YGSY15]. **administrative** [AR12, RTV18, VAGL09, YGSY15]. **administrators** [AWJS19]. **Advances** [Vis13]. **adversarial** [CJP+18]. **AES** [Elb08]. **against** [BCFK15, HSR08, LHM+10, MCL+19, PV05, RCBM07, SPS+14]. **agenda** [Pri06]. **agent** [DB11]. **agents** [BR04]. **Aggregating** [HZO+13]. **Aggregation** [Fol92, CPPS07]. **agreement** [PQ03, PQ06]. **ahead** [SM05]. **aid** [BS04]. **aided** [NTU11]. **algebra** [RS01]. **algebraic** [ABG04, CDL06]. **Algebras** [FG95, BCLM05]. **Algorithm** [AJJ95, HDC95]. **algorithms** [AGHP14, LWZZ15, LMG+18, MM96, SAE+05]. **Aligning** [BBK14]. **Allocation** [Mil93b]. **among** [MTJ+19, ZHZY18]. **Amongst** [CGM95]. **analyses** [Pau01]. **Analysing** [KL11, Low04a]. **Analysis** [HDC95, Mea92, NS06, Syv92, Wra92, ABG04, AS15, AR12, AH00b, BBDLM14, BBI15, BCLM05, BDGS16, BR05b, BHČ04, CFL13, CDL+05, CYC17, CHM07, CS05, CEHM07, CS13, CW17, CDWM19, DKS10, DMV15, ES06, GBL18, GEL98, GTZ04, JKK10, KKN+17, KM10, KK16, LOS16, LT17, LŁA15, Low98, Mea01, MSC04, MS05a, MS05b, MVB10, PV05, RS02, RTV18, RTWH11, Shm04, SBP01, SKEG14, TR11, UC07, UAV+14, VVB+09, VIS96, WYSJ08, War05, YGSY15, ZZW+11, BDP05]. **Analytic** [MM96]. **analyzed** [TvdRO03]. **Analyzer** [MSC04]. **Analyzing** [CAFL10, CCP+17, UTHP19, Weh07, ABK+11]. **Android** [CLD+17, JAH+16, MMF15]. **announced** [CGLZ03]. **Anomaly** [SAE+05, LWWJ02, VVB+09]. **anomaly-based** [VVB+09]. **Anonymity** [BMS95, HO05, CMS97, HS04, LS02, PSJ+13, Shm04]. **anonymity-revoking** [CMS97]. **anonymization** [DRRW11, SVA11]. **Anonymizing** [ACM15, PS14]. **anonymous** [SBS05]. **answering** [CYC18]. **answers** [BH09]. **Antigone** [MP06]. **APIs** [HBS16]. **applets** [BCG+02]. **application** [BGE+18, BHČ04, NZS05, QJ97, VC05]. **Applications** [GG92, BHSV14, BLL02, CZ16, DB11, DT97, GLS+17, GEL98, JKK10, KTV12, SR19]. **applied** [BS18, DKR10]. **Applying** [BFGS08, BFGS09, Mea92]. **Approach** [BY95, WL93, ABG04, ALP11, BBFR00, BFM05, BFO05, CLD+17, CDF+12, FF11, HS04, KSS13, MS03, Pau98, SBP01]. **approaches** [BDG+10]. **Approximate** [DHW04, NG08]. **APTs** [RRAZ19]. **Architecture** [AXR12, TS93, ABFK03, DPV09, HTS00, MM96, dACD+16]. **architectures** [LŁA15]. **area** [AFHS09]. **argument** [LZ13]. **ARM** [GNDB16]. **aspects** [CMPP14]. **assessment** [BT06, Mal10, SSBW12]. **assignment** [SB99]. **assignments** [AWJS19, VAGL09]. **associating** [SR19]. **association** [VC05]. **associations** [DFJ+15]. **Assurance** [BMBS10, EMO+93, CT09]. **Assuring** [HKOS18]. **asymmetric** [GJ04]. **Asynchronous** [Yah93]. **Athena** [SBP01]. **ATM** [Chu96]. **attack** [EVK02, GSAV18, HZO+13, Kre13, NG08, OMSH04, SR19, WYSJ08].

attackers [RCBM07]. **Attacking** [CS13]. **attacks** [BPS08, BBDLM14, BWA10, BR04, BCFK15, CS05, DPV09, DS99, DLL+18, Han11, HLS03, HNS+14, KB11, LHM+10, Low04a, Möl05, OMSH04, PQ03, PV05, SPS+14, SSM18, SVSM07, VVB+09, YTLD19, ZGDS13]. **attempt** [Mat98]. **attribute** [LCL+15, PTMW10, TLY+19]. **attribute-based** [LCL+15, PTMW10, TLY+19]. **attribution** [TC16]. **auction** [DDL15]. **audio** [SKEG14]. **audit** [DS99]. **Auditable** [FM98]. **auditing** [MTJ+19]. **augmented** [SZP+12]. **Authentic** [DGMS03]. **authenticated** [PQ03, PQ06]. **Authentication** [CGM95, GLP93, Gut04b, HP00, NR11, QJ97, TA92, ATI+10, BGE+18, BCM13, BCL97, BSSM+07, BFM07, CDWM19, DGK+04, DMV15, GTY08, GTZ04, HSH11, HCM11, JHS96, MvO11, SKEG14]. **Authenticity** [GJ03]. **Author** [Ano92a, Ano93, Ano95a, Ano96a, Ano97, Ano98, Ano01, Ano02, Ano03, Ano04, Ano05, Ano06, Ano07a, Ano08, Ano09, Ano10, Ano11, Ano12, Ano13, Ano14, Ano15a, Ano16, Ano17]. **authorities** [MG08]. **Authorization** [BOS95, DS97, DFJ+11, Kar00, WL93, AH00b, BBDLM14, BBK14, BFG10, BBFS00, CCF98, GP12, MP06, SWC07]. **authorizations** [CDF97, DFP+18]. **authors** [Ano96b]. **Automated** [BHSV14, BS18, CDF97, KK16, RTV18, AR12, CDE+10, SHM02, ZGD04]. **Automatic** [Bla09, RTWH11, UC07, SBP01, ZF12]. **Automatically** [KB11, dSRCP17]. **Automating** [Gue09]. **autoregressive** [NG08]. **availability** [BW08]. **aware** [ACDS08, BDGS16, HZL+18, RS16]. **awareness** [MSas13].

ballot [CS13]. **bandwidth** [DMM04, NR11]. **barriers** [BS18]. **based** [AJS12, AHB08, ATI+10, AR12, AH00b, AHB00, BGJ03, BBI15, BBFR00, BY95, BFO05, BGS06, CG06, CMMV07, CFL13, CWT14, CLK04, CCP+17, DHRS11, DR16, DPV09, DGMT19, DLYZ11, DLL+18, Dug04, ES06, EVK02, GMR+11, GGS+09, HTS00, HSH11, KR03, KNS08, KTV12, LS02, LGGO18, LHM+10, LCL+15, LT17, LKWB06, LSMR16, MMHS13, Mea01, MMF15, MVB10, NR11, NTU11, PTMW10, PGK14, PG09, RS02, RAJ98, RVV17, RW97, SB99, SVA11, ST05, SKEG14, TLY+19, TR11, UAV+14, VAGL09, VPZ16, VK99, VVB+09, WWJ04, WLJW07, WD08, WMF+17, YGSY15, YSD13, vOT11, NZS05]. **bases** [BF99, BBFS00]. **Basic** [Jac92]. **batch** [AGHP14]. **Bayes** [CPP08]. **Beacons** [JHS96]. **been** [GLZ11]. **Behavior** [YSD13, RTWH11, WDDN00]. **Behavior-based** [YSD13]. **Belief** [Syv92]. **beliefs** [CMS09]. **Bell** [Mil96]. **BetterTimes** [HKOS18]. **between** [CDL+05, Pau01]. **BGV** [GHPS13]. **BGV-style** [GHPS13]. **bi** [CGKW17]. **bi-objective** [CGKW17]. **bilinear** [KM10]. **Biometric** [ATI+10]. **biometrics** [BSSM+07]. **bisimulation** [DKR10]. **Bitcoin** [YTLD19]. **Black** [MSas13]. **Black-box** [MSas13]. **Blind** [ABO06, BFPV13]. **block** [MCL+19]. **boots** [MS96]. **bounded** [DLMS04, ŢBEB08]. **bounding** [ABK+11, BMV15, KKN+17, YT11]. **bounds** [KB11]. **box** [MSas13, SV03]. **Brandt** [DDL15]. **breaches** [CGLZ03, GLZ11]. **Broadcast** [BMS95].

browser [ABR13, BCFK15]. **browsers** [BCL97, GBL18]. **browsing** [SRG97]. **BRSIM** [BPS08]. **BRSIM/UC** [BPS08]. **BRSIM/UC-soundness** [BPS08]. **buffer** [ZZW+11]. **Building** [LAGM17, PQ06]. **built** [GSAV18]. **built-in** [GSAV18]. **business** [BBK14].

C [DGJN14]. **CA** [BVC+14]. **cache** [MCL+19]. **calculus** [AACP13, BS18, BGS06, DKR10, HM10, MS96]. **Calibrating** [HM10]. **Call** [Ano92b, Ano95b]. **calls** [HFS98]. **Can** [KNTU13, BBS+15]. **capability** [MG08]. **capable** [TEML08]. **CAPTCHA** [SKEG14]. **CAPTCHA-based** [SKEG14]. **CAPTCHAs** [LUV+18, MGS+17]. **capture** [SST08]. **card** [Bel03, BCG+02]. **Cardinality** [WWJ04, VC05]. **Cardinality-based** [WWJ04]. **cards** [SRS+02]. **Cascade** [HCH+93, BFO05, DPV09]. **case** [GP12]. **cases** [ABHS09]. **Casper** [Low98]. **catalogue** [SR19]. **causal** [dC96]. **causality** [SV03]. **causes** [CRB19]. **CCA1** [MSas13]. **cellular** [HCM11, TEML08]. **centers** [CDE+10]. **centric** [RW97]. **centricity** [BSCGS07]. **Certificate** [CEE+01, HTML09, BLL02, CAB10, LHM+10, WLM01, WLM02]. **certificate-based** [LHM+10]. **Certificates** [TA92, GBL18, LKWB06]. **certified** [NZS05]. **chain** [CEE+01, LWM03]. **challenge** [TC16]. **change** [HJT+96]. **channel** [GSAV18, KSWH00, KB11, SCB+19]. **Channels** [BMS95, Hu92, Wra92, DMV15, GT17, MCL+19, NR11]. **Characterizing** [PM18]. **check** [ST15, ŢBEB08]. **checked** [MCB13]. **checkers** [RB99]. **Checking** [BCG+02, BDP05, BJLT01, CC17, DHRS11, DR16, JR04, Low99, ZRG08]. **checks** [DFJ+16]. **checksum** [BGJ03]. **checksum-based** [BGJ03]. **Chinese** [ACM04]. **ciphers** [KSWH00, MCL+19]. **ciphertexts** [NMP+13]. **circuit** [CMTB16]. **Classification** [FG95, BFGS08, BFGS09]. **classified** [GM10]. **click** [vOT11]. **click-based** [vOT11]. **climate** [ABM+19]. **Cliques** [PQ06]. **Cliques-type** [PQ06]. **cloud** [ABR13, CWT14, DFJ+16, HZL+18, LT17, ST15, ZHZY18, ZGDS13]. **cloud-based** [CWT14]. **cloud1** [YY15]. **clouds** [AWJS19, MTJ+19]. **code** [PG09, SV03, WS02, XC09]. **codes** [ATI+10, SVSM07]. **coercion** [KTV12]. **cognitive** [MGS+17]. **collaboration** [AJS12]. **Collaborative** [FJ95, SZP+12]. **collection** [BF99]. **collective** [CCBE13]. **colluding** [RCBM07]. **Collusion** [YTLD19]. **combined** [VVB+09]. **combiners** [Her09]. **Commerce** [ABO06, BKA+97]. **Communication** [Vis13, JAH+16, LSMR16, SBS05, Xu07]. **communications** [DMM10]. **community** [CYC17]. **comparative** [IBS03, NR11, SAE+05]. **comparing** [TL07]. **comparison** [CDL+05, MM96]. **compiled** [WS02]. **compiler** [CDF+08, Low98, LSMR16, ZZW+11]. **complete** [ŢBEB08]. **Completeness** [MW04, ABHS09, Low99]. **complex** [TC16]. **complexity** [DLMS04, KKN+17, OMSH04]. **Composability** [ZL95, BU16]. **composition** [BDF09, CDM12, NF18, SV03]. **Compositional** [BPR07, DDMP05, DMP03]. **compression** [Weh07]. **computation** [BA12]. **Computational**

[BU10, BWA10, KKN+17, RDDM10, War05]. **Computationally** [KM10, CB15, LZ13]. **Computer** [Ano92b, BR09, FJ95, LBF+93, BS04, HSR08, Mat98, SVSM07]. **computers** [MvO11]. **computing** [ABR13, SV15, ZGDS13]. **concept** [RRAZ19]. **concrete** [BBDLM14]. **Concurrency** [AJJ95, DFP+13]. **concurrent** [BN07, BPR07, VS99]. **conditional** [Hal17]. **confidentiality** [CDF+12, DFP+18, NSH14]. **configuration** [FF11, RS02]. **configurations** [UC07]. **Configuring** [AFHS09]. **confinement** [LJM00]. **connections** [SCB+19]. **Conspiracy** [Bis96]. **constant** [BPT19, YY15]. **constant-cost** [YY15]. **constant-time** [BPT19]. **constrained** [DMV15]. **Constraint** [AHB08, MVB10, BFO05]. **constraint-based** [BFO05, MVB10]. **constraints** [CCF98, CDF+12]. **construction** [HLVA11, LAGM17, MCB13, MSas13]. **Constructions** [LHM+10, CGKO11]. **constructs** [Mal10]. **consumption** [LMG+18, MMF15]. **contactless** [Sin11]. **Content** [DTG16]. **Context** [BDGS16, BGE+18, RS05]. **Context-aware** [BDGS16]. **context-explicit** [RS05]. **contexts** [BMPR05, FR06]. **contingency** [HLVA11]. **contract** [NS06]. **Control** [AJJ95, AHB08, ASL96, ACDS08, ACK+10, AR12, BBFR00, BJLT01, BDJP10, Bis12, BGS06, BvDS17, Bro02, HTS00, HPS03, HH09, KNS08, LGGO18, LCL+15, MMRS19, RW97, SPS+14, SAsC11, TR11, TL07, UAV+14, VAGL09, WWJ04, WLJW07, YGSY15, YSD13, ZRG08, BDP05]. **controlled** [BW08]. **controller** [ZV19]. **Controlling** [dC96]. **CookiExt** [BCFK15]. **cooperative** [BFM05, LKAJ16]. **Coordinated** [OMSH04, ZGDS13]. **Coprocessor** [WD08]. **Coprocessor-based** [WD08]. **CORBA** [Bro02, Kar00]. **core** [AACP13]. **correct** [DJLP10, FHG99]. **Correctability** [Mil95b]. **correcting** [ATI+10]. **Correctness** [AJB93, McL92]. **correspondences** [Bla09]. **corruption** [BGJ03]. **Cost** [IBS04, ALP11, CGLZ03, LKAJ16, LFM+02, MBK+15, Mea01, SSBW12, YY15]. **cost-based** [Mea01]. **cost-sensitive** [LFM+02, SSBW12]. **costs** [GLZ11]. **counterevidence** [BLL02]. **coupon** [AS15]. **coverage** [JBH13]. **Covert** [Wra92]. **CPU** [LMG+18]. **creation** [ASL96]. **credential** [LWM03]. **credentials** [WCJS97]. **crime** [HSR08]. **cryptanalysis** [KSWH00]. **Crypto** [SSM18]. **Cryptographic** [CFG+17, Syv92, BR05b, CFL13, Coh03, CDL06, Dug04, DGJN14, GJ04, GEL98, KAM08, Pau98, YSM14]. **cryptography** [ACK+10, DGMT19, Lop06, Mat98]. **cubes** [WWJ04]. **curves** [BGH+13]. **CWASAR** [BKA+97]. **Cyberspace** [GOvdR99]. **cycle** [LKWB06]. **cycles** [ABHS09, BPS08].

DABKE [TLY+19]. **Data** [NBM95, Yah93, AXR12, ABM+19, BDF+12, BT06, BLB+09, CDE+10, CC17, CDF+11, CDF+12, Cli00, DS99, DFP+13, DFJ+15, DGMS03, DRRW11, DRD11, GLS+17, HLVA11, LWZZ15, MRR+18, RB99, SPS+14, ST15, SM05, VPZ16, WWJ04, ZMHT07]. **Data-Exchange** [Yah93]. **Database** [AJJ95, AJB93, HDC95, CDF97, DS97, DCMP16, LKAJ16, MM96, VPZ16, YWW+09]. **Databases**

[BOS95, KK95, Mot92, TS93, CT09, SC00, TvdRO03, WYSJ08]. **datasets** [ACM15]. **DDoS** [PSJ+13, SM05]. **decentralized** [ACM04, BFG10]. **Decidability** [RS05]. **Deciphering** [GSAV18]. **decision** [HS05]. **Declassification** [MSZ06, SS09, MB09, RS16]. **declassification-aware** [RS16]. **decoys** [BKP+12]. **decremental** [ZV19]. **Defeating** [SSM18]. **defense** [CJP+18, PSJ+13]. **Defining** [Low04b]. **definition** [KTV12]. **definitions** [CGKO11, HMQU09]. **definitive** [DT97]. **Delay** [MCL+19]. **delegatable** [MG08]. **Delegated** [ST15]. **deletion** [BF99]. **delivery** [NZS05, ZMHT07]. **deniable** [TLY+19]. **Denial** [Mil93b, Mea01, Möl05]. **Dependencies** [BC92, MTJ+19, SST08, dC96]. **dependent** [BPS08]. **Depender** [WLM01, WLM02]. **deploy** [dSRCP17]. **Deploying** [BAVS19]. **deposits** [YTLD19]. **derivation** [CDF97, DDMP05]. **deriving** [KB11]. **Design** [BFG10, LŁA15, ABFK03, Gut04b, KSS13, LWZZ15, RW97, SR19, ZAF08]. **Designing** [WMF+17, LUV+18]. **detect** [BR04, DS99]. **Detecting** [BBDG10, CYC17, HDC95, RCBM07, SG96, JKK10, WDDN00]. **Detection** [Mil99, BGJ03, BHSV14, DPV09, EVK02, HFS98, IBS03, IBS04, KPS16, KSZ02, LFM+02, LWWJ02, MMF15, NG08, SM05, SVSM07, SG02, SHM02, SCB+19, UC07, VK99, VVB+09, XVW+06, Yas02, SAE+05]. **detectors** [KSZ02]. **determinism** [RWW96]. **deterministic** [BBG+18]. **develop** [Lot97]. **devices** [BDJP10, CMTB16, CFL13, MvO11]. **Diet** [MGK+17]. **Diet-ESP** [MGK+17]. **differential** [CYC18]. **differentially** [AAC+15]. **differentially-private** [AAC+15]. **differentiation** [MVB10]. **Diffie** [MS05a, MS05b]. **Digital** [CMS97, AGHP14, BSSB06, WD08, WCJS97]. **dimensional** [CT09, WLJW07]. **Dimensions** [SS09]. **directories** [LKWB06]. **disclosure** [BH09, LWZZ15, MB09]. **Discovering** [BBDLM14]. **discovery** [CYC17, CEE+01, LWM03]. **discretionary** [AH97]. **disjoint** [Gut04b]. **disjointness** [BHM14]. **display** [KNTU13]. **display-equipped** [KNTU13]. **dissemination** [BLB+09]. **distance** [ABK+11, BMV15, KKN+17]. **distance-bounding** [BMV15, KKN+17]. **Distributed** [GLP93, LWM03, WL93, BFM05, BGS06, DFJ+11, HLVA11, HVL12, JHS96, LAGM17, MS03, MS96, SWC07, YSD13, YLZ05, ZDM07]. **Distributing** [CGM95]. **Distribution** [BMS95, CCD06, SPD+10, WLM01, WLM02]. **distributions** [BDF+12]. **diversity** [PS10b]. **DNP3** [CDWM19]. **DNSSEC** [Gue09]. **document** [KPS16]. **documents** [BFM05, DGK+04]. **Dolev** [BPS08]. **Domain** [MSC04, CS05, KM98, SG02]. **domain-specific** [SG02]. **downward** [GLZ11]. **driven** [AJS12, BGT15, PM18]. **DRM** [DTG16]. **Duty** [NBM95]. **Dynamic** [Bis12, BFM07, MMHS13, NBM95, BM99, FR06, MGS+17, PSJ+13, SST08, ZV19]. **dynamically** [LOS16].

e-mail [NZS05]. **e-Passports** [LG10]. **E-voting** [CW17]. **eavesdropping** [Han11]. **economic** [CGLZ03]. **ecosystems** [RRAZ19]. **Edge** [VAGL09]. **Edge-RMP** [VAGL09]. **editor**

[BEN96, BMK97, DM00, Fol98, Fol99, Lin99, Lin00, Mer97, SS97, AH00a, Cup02, Foc05, Fri02, Gon95, Gor05, Gri11, Gut04a, JG02, LZ11, Li12, Mil93a, Mil95a, Mil96, San92a, Sch03, Sch04, Syv01, Syv03, TvdR03]. **Editorial** [Dam08, Foc10, JM10]. **Editors** [Ano07b, BZ14, BR05a, JM92a, JM92b, JM93, JM95a, JM95b, JM96a, JM96b, JM97, LM92, MK93, YGH08, YRY08]. **Effective** [NSH14, XVW+06, BFGS08, BFGS09, IBS04]. **effects** [GJ04, HH09]. **Efficient** [ASV08, BDG14, DFJ+16, MCB13, ZSXJ06, CGKO11, HVL12, KSS13, LYW+10, LZ13, LŁA15, RTV18, SBP01, Zúq05]. **Efficiently** [SAsC11]. **elastic** [ZHZY18]. **Electronic** [ABO06, BKA+97, DKR09, Sin11]. **Eliminating** [BLL02]. **elliptic** [BGH+13]. **email** [BDG+10]. **embedded** [KSZ02]. **Embedding** [BR04]. **empirical** [CGLZ03]. **eMRTD** [BB14]. **encrypted** [DRD11, MW04, MRR+18]. **Encryption** [NZS05, ABHS09, BPS08, CG06, CGKO11, GHPS13, Gut04b, LCL+15, MSas13, SP03, WMF+17]. **energy** [MMF15]. **energy-based** [MMF15]. **enforce** [CDF+12]. **enforcement** [ASV08, BBK14, BM12, CDE+10, CFG+17, DS97, DFJ+11, LKAJ16, MBK+15, MMHS13, MT08, ZAF08]. **Enforcing** [AH97, CCF98, DFP+18, MP06, MSZ06, BBFR00, CDF+11, SAsC11, WS02]. **engineering** [GEL98]. **enhanced** [ACK+10, BDP05, DTG16, GHRS05]. **Enhancing** [LWWJ02]. **enterprise** [HZO+13]. **enterprises** [HSR08, MT08]. **entity** [BCM13]. **environment** [ASV08, FBB+18, IBS03, Yas02]. **equipped** [KNTU13]. **equivalence** [BWA10]. **equivalences** [BS18]. **Eradicating** [BMP18]. **error** [ATI+10]. **errors** [VVB+09]. **ESP** [MGK+17]. **EsPRESSO** [BDG14]. **Establishing** [BSSB06, Gut14]. **establishment** [GT17, ZMHT07]. **estimating** [MMF15]. **EU** [CLM+10, Cam10]. **EU-funded** [CLM+10, Cam10]. **European** [Ano92b, BKA+97]. **evaluable** [CZ16]. **Evaluating** [PS14, YWW+09]. **evaluation** [BW08, BDG14, CMTB16, CMMV07, DFJ+11, IBS03, KSS13, SAE+05]. **Event** [BGT15]. **Event-driven** [BGT15]. **events** [JPSS16, MTJ+19]. **evidence** [CGLZ03]. **exact** [GEL98]. **Exchange** [Yah93, BHČ04, KR03, TLY+19]. **execution** [AHB00, DDNP14, RS16, dSRCP17]. **existence** [HS05]. **Expected** [DMV15]. **Experimental** [PV05, IBS03]. **experts** [BFGS08, BFGS09]. **explicit** [RS05]. **Exploiting** [ACK+10, TEML08, vOT11]. **Exploring** [DRRW11, SA16]. **exponentiation** [MS05a, MS05b]. **exposure** [Cli00]. **expressions** [MW04]. **Expressive** [San92b, ASL96, TL07]. **Extended** [AS92, BOS95, BCG+02]. **extension** [LYW+10]. **extensions** [DKS10, Elb08].

Fabric [LAGM17]. **factor** [BSSM+07]. **fair** [KR03, YTLD19]. **faithfulness** [GTZ04]. **Fast** [HDC95, ZF12, YTLD19]. **fast-payment** [YTLD19]. **Fault** [HL01, WLM01, WLM02]. **Fault-preserving** [HL01]. **fault-tolerant** [WLM01, WLM02]. **feasible** [CLD+17]. **feature** [BFGS08, BFGS09]. **features** [SCB+19]. **federated** [BMBS10, DS97, GTY08]. **Federation** [SS10, BSSB06]. **federations** [CDF97]. **Field** [GHPS13]. **filtering**

[BDG+10]. **Finding** [PS10a, dSRCP17]. **Fine** [RS16]. **Fine-grained** [RS16]. **Finite** [GL10]. **firewall** [NF18, UC07]. **First** [Coh03, Hal17]. **First-order** [Coh03, Hal17]. **Fixed** [WDDN00]. **Fixed-** [WDDN00]. **fixing** [CS13]. **flaw** [HLS03]. **flaws** [BBDG10]. **Flexible** [DGK+04]. **Flow** [BDP05, Gra92, Kre13, AAP12, BN07, Bec12, BJLT01, Bis96, BMPR05, BPR07, BvDS17, CHM07, CMS09, CFG+17, DHRS11, DR16, FR06, GHRS05, HH09, HBS16, LOS16, Low04b, MSB17, SST08, VIS96, YT11, dACD+16]. **Folklore** [Her09]. **Forcing** [HM13]. **forensic** [BS04]. **Foreword** [Cam10, LaP96]. **Formal** [CCBE13, DKS10, Mea92, MSC04, NRW14, ABHS09, AS15, BBDLM14, BHČ04, CW17, CDWM19, GL10, Pau01, SRS+02]. **formalization** [TR11]. **formally** [Lot97]. **Forward** [Mil95b]. **forwarded** [BGSW11]. **Foundation** [Gra92]. **Foundational** [CMPP14]. **frame** [LSMR16]. **framework** [AHB08, AS15, ABK+11, BS02, DLYZ11, JAH+16, KNS08, LVA14, Mea01, PS10b, TLY+19, ZMHT07]. **frameworks** [IBS04]. **free** [BBK14, DTX09]. **frequency** [CS05, Han11]. **freshness** [ŢBEB08]. **fully** [DDL15]. **function** [HS05, KSS13, QJ97]. **Functional** [McL92]. **functionality** [TEML08]. **functions** [CZ16]. **funded** [CLM+10, Cam10]. **fusion** [BT06, SM05]. **future** [HP00]. **Fuzzy** [Hu92, Tro93].

game [KR03, KTV12, LT17, MGS+17, SKEG14]. **game-based** [KR03, KTV12]. **game-theoretic** [SKEG14]. **garbage** [BF99]. **garbled** [CMTB16]. **general** [DGJN14, KSS13]. **general-purpose** [DGJN14]. **generalized** [Elb08, MSAV15]. **generated** [AGHP14]. **generating** [BKP+12]. **generation** [CB15, ZF12]. **generator** [Zúq05]. **Generic** [Wan06]. **gigabit** [IBS03]. **GKMPAN** [ZSXJ06]. **Global** [DLRS01, TA92, CDF97, KK16]. **Globally** [LG10]. **goals** [GHRS05, Gut14]. **GPU** [LŁA15]. **grained** [RS16]. **Grant** [Bis95, Bis96]. **granularities** [LWWJ02]. **Graph** [FF11]. **graphical** [vOT11]. **graphs** [BBI15, BJLT01, CAFL10, HZO+13, WYSJ08, WLM01, WLM02]. **grid** [CDWM19]. **Group** [MMRS19, ZSXJ06, CLK04, CCBE13, DTX09, MS05a, MS05b, PQ03, PQ06, Xu07, MSC04]. **groups** [CYC17]. **Guessing** [BWA10, Low04a]. **Guest** [BEN96, BMK97, Dam08, DM00, Fol98, Fol99, Lin99, Lin00, Mer97, SS97, Ano07b, AH00a, BZ14, BR05a, Cup02, Foc05, Fri02, Gon95, Gor05, Gri11, Gut04a, JG02, LZ11, Li12, LM92, MK93, San92a, Sch03, Sch04, Syv01, Syv03, TvdR03, YGH08, YRY08]. **Guest-editor** [BEN96]. **Guiding** [DGJN14].

habits [LGGO18]. **Hails** [GLS+17]. **hardening** [BWJS18]. **HardIDX** [FBB+18]. **hash** [QJ97]. **hashing** [BGH+13, LŁA15]. **haystack** [PS10a]. **HB** [HSH11]. **healthcare** [YSD13]. **hear** [BBS+15]. **Helios** [CS13]. **Hellman** [MS05a, MS05b]. **Hermes** [ZMHT07]. **heterogeneous** [BSS97, BWJS18]. **hiding** [CPP08, HO05, HS04]. **hierarchical** [BFGS08, BFGS09, KAM08, ST15, SB18b, WD08]. **Hierarchies**

[DMM10, RTV18]. **hierarchy** [BBI15, CLK04]. **High** [EMO+93, DMM04, Han11, MR97, SV15, Zúq05]. **high-frequency** [Han11]. **high-throughput** [MR97]. **hijacking** [BCFK15, CRB19]. **history** [KNS08]. **history-based** [KNS08]. **Hoc** [ZSXJ06, AJS12, RCBM07, RH07, ZDM07]. **homomorphic** [GHPS13, WMF+17]. **honeypots** [CJP+18]. **Hordes** [LS02]. **host** [DS99]. **Human** [Mat98]. **humans** [SSM18]. **Hybrid** [CJP+18]. **Hyperproperties** [CS10].

ICT [CLM+10, Cam10]. **ID** [GTY08]. **Identification** [DS99]. **Identifying** [LMG+18]. **Identity** [PSJ+13, SS10, BMBS10, BSSB06, CG06, MT08, WD08]. **identity-based** [CG06]. **IDS** [BT06]. **IEC** [BCM13]. **IEEE** [RCBM07]. **II** [LB96]. **illicit** [SG96]. **IME** [DLL+18]. **imitation** [SSM18]. **impact** [BGE+18, GLZ11]. **imperative** [CHM07]. **Implementation** [CS05, AXR12, SB99]. **implementations** [BHM14, BPT19, CB15, Elb08]. **Implementing** [WYSJ08, GOvdR99]. **implications** [ABM+19]. **impossibility** [PQ06]. **Improved** [CGKO11, Smi06]. **in-browser** [ABR13]. **incidents** [BT06]. **increase** [DFJ+15]. **incremental** [BLB+09]. **indeed** [vdM15]. **Independence** [PS10b, RB99]. **Index** [Ano92a, Ano93, Ano95a, Ano96a, Ano97, Ano98, Ano01, Ano02, Ano03, Ano04, Ano05, Ano06, Ano07a, Ano08, Ano09, Ano10, Ano11, Ano12, Ano13, Ano14, Ano15a, Ano16, Ano17, FBB+18]. **indexes** [DFP+13]. **indifferentiable** [BGH+13]. **indistinguishability** [YWW+09]. **indistinguishable** [BKP+12]. **individual** [RCBM07]. **Inductive** [Bel03, RDDM10, Pau98]. **industrial** [RRAZ19]. **Inference** [BGSW11, HDC95, Bis12, WWJ04, WLJW07]. **Inference-proof** [BGSW11]. **inferences** [BDF+12]. **infinite** [DR16]. **infinite-state** [DR16]. **Information** [Ano96b, Bec12, Bis95, BMPR05, BH09, FR06, Gra92, HBS16, HS04, LOS16, SM95, ABHS09, AAP12, AAC+15, BCC+19, BN07, Bis96, Bis12, BS02, BPR07, BvDS17, BS04, CGLZ03, CPPS07, CPP08, Cho12, CHM07, CMS09, CCP+17, CFG+17, DHRS11, DR16, DCMP16, GM10, GLZ11, GHRS05, HO05, HH09, KB11, LJM00, Low04b, MSB17, SG96, SAsC11, SST08, SVSM07, UTHP19, YT11, dACD+16]. **Information-flow** [HBS16, dACD+16]. **information-hiding** [CPP08]. **information-theoretic** [KB11]. **infrastructure** [BKA+97, DLRS01, LG10]. **Infrastructures** [CMMV07, Pri06]. **injecting** [BKP+12]. **injection** [KPS16]. **inline** [DJLP10]. **insider** [AWJS19]. **Instant** [CAB10]. **institutions** [ZHZY18]. **instruction** [Elb08]. **integer** [ZZW+11]. **integer-overflow-to-buffer-overflow** [ZZW+11]. **integrating** [MCL+19]. **integration** [BBFS00]. **Integrity** [Mot92, NBM95, SM95, CC17, DFJ+16, ST15, WD08]. **Inter** [GLP93, JAH+16, LSMR16]. **inter-frame** [LSMR16]. **inter-process** [JAH+16]. **Inter-Realm** [GLP93]. **interactions** [BCG+02]. **interactive** [AAP12, BDJP10, LZ13, WYSJ08]. **Interference**

[ZL95, BR05b, DHW04, RWW96, RS01]. **internal** [KSZ02]. **Internet** [GMR+11, DGMS03, OMSH04, PS10a, SKEG14]. **Interoperable** [LG10]. **interpolation** [RVV17]. **interpolation-based** [RVV17]. **Interpretation** [MSC04, BPT19, GM10, MMHS13, PG09]. **intersection** [BHM14, VC05]. **interval** [WMF+17]. **intradomain** [PV05]. **intransitive** [vdM15]. **Introduction** [Gut09, VG11, YGH08, YRY08]. **intruder** [BR04]. **Intrusion** [HFS98, LJM00, Mil99, SG02, EVK02, IBS03, IBS04, KSZ02, LFM+02, MMF15, SSBW12, UC07, VK99, Yas02, YLZ05, ZGD04]. **Invalid** [GBL18]. **investigations** [BS04]. **IoT** [MGK+17]. **IP** [DS99, MGK+17]. **iris** [BA12]. **islands** [XC09]. **ISO** [BCM13]. **ISO/IEC** [BCM13]. **isolation** [GNDB16, LJM00]. **Issue** [Vis13, BSR97, CLM+10, Cam10, MSB17, SV15]. **issues** [BMP18, BSCGS07]. **Iterative** [BM12].

Jannie [KNTU13]. **Java** [DJLP10]. **Java-like** [DJLP10]. **JavaScript** [HBS16]. **JCS** [CLM+10, Cam10]. **Johnny** [HM13]. **join** [DFJ+16]. **Journal** [BR09]. **jump** [LWZZ15].

Keccak [LŁA15]. **Kernelized** [TS93]. **Key** [BPS08, BMS95, CMMV07, DMM04, LG10, Mea92, Pri06, TA92, ABHS09, ABR13, CFL13, CLK04, CCD06, GT17, Gue09, GSAV18, HJT+96, KAM08, KM98, LHM+10, LYW+10, Lop06, PQ03, PQ06, RFLW96, SPD+10, TLY+19]. **Key-dependent** [BPS08]. **keys** [DMM10, KAM08]. **keystroke** [BGE+18]. **know** [BBS+15]. **Knowledge** [Syv92, BU10, DLYZ11, LZ13, MMHS13]. **knowledge-based** [MMHS13]. **known** [LWZZ15].

Language [ES06, BN07, BFG10, CHM07, EVK02, LOS16, MW04, Smi06, SG02, VS99]. **LaPadula** [Mil96]. **Large** [GLP93, SA16, ZDM07]. **large-scale** [ZDM07]. **Last** [ZV19]. **layer** [JAH+16, MGK+17, RCBM07]. **layered** [GRKL15]. **layout** [XC09]. **LDAP** [LKWB06]. **Leak** [DTX09]. **Leak-free** [DTX09]. **leakage** [ABHS09, AAC+15, BCC+19, SG96, UTHP19]. **leakages** [VPZ16]. **Learning** [MTJ+19, LMG+18, RTWH11]. **length** [PB13, WDDN00]. **LESS** [SA16]. **level** [DS99, ZAF08]. **Leveraging** [HCM11, MvO11]. **Life** [LKWB06]. **Life-cycle** [LKWB06]. **lightweight** [FM98]. **like** [DJLP10]. **limit** [Cli00]. **limited** [JPSS16]. **line** [Wan06]. **linear** [HVL12]. **Linguistic** [BDGS16]. **linked** [Aba98, HvdM01]. **Linux** [GNDB16, GHRS05]. **lists** [PB13]. **lived** [ZDM07]. **liveness** [BPWS04]. **local** [Aba98, HvdM01]. **location** [SAsC11, SVA11]. **location-based** [SVA11]. **locked** [YTLD19]. **logic** [BBFR00, DDMP05, DMP03, GP12, HvdM01, Hal17, JH09, JPSS16]. **logic-based** [BBFR00]. **Logical** [BC92, SP03, CLK04, HvdM03, KNS08]. **login** [HM13]. **logs** [BT06]. **long** [ZDM07]. **long-lived** [ZDM07]. **looping** [Mal10]. **Loose** [DFJ+15]. **loss** [DMV15]. **Low** [BBG+18, ALP11, DS99, NR11]. **low-bandwidth** [NR11]. **low-cost** [ALP11]. **Low-deterministic** [BBG+18]. **low-level** [DS99].

low-nondeterministic [BBG+18]. **Lowe** [War05].

MAC [RCBM07]. **Machine** [AGHP14, HZL+18, MCB13, RTWH11]. **machine-checked** [MCB13]. **Machine-generated** [AGHP14]. **machines** [SSM18]. **mail** [NZS05]. **Maintaining** [BMS95]. **maintenance** [AWJS19]. **malicious** [FBB+18]. **malleable** [MSas13]. **malware** [LMG+18, RTWH11, SCB+19, UTHP19]. **man** [SSM18, ZV19]. **man-in-the-middle** [SSM18]. **Manageable** [Bro02]. **Management** [AJB93, ES06, FF11, KK95, Mea92, NBM95, AJS12, AH97, ACM04, BMBS10, Bec12, BVC+14, BLL02, CG06, CFL13, CDM04, CCBE13, DMM04, GTY08, IBS04, KAM08, LWM03, LT17, LKWB06, MT08, NRW14, RFLW96, ST05, SWC07, SZP+12, WD08]. **managing** [GMR+11]. **mandatory** [AH97, AFHS09]. **MANETs** [ZMHT07]. **market** [CGLZ03]. **Mashic** [LSMR16]. **Mashup** [LSMR16]. **masking** [YLZ05]. **matching** [BEM+13, BA12]. **Mathematical** [Gra92]. **MC** [CAFL10]. **means** [LG10, Lot97]. **measure** [KPS16]. **Measures** [LBF+93]. **Measuring** [MMF15]. **mechanism** [CLK04, PSJ+13, WS02]. **mechanisms** [AAC+15, BDGS16]. **mediated** [CG06, DTX09]. **mediating** [JAH+16]. **mediation** [ABFK03]. **memory** [GNDB16]. **Merging** [BSS97, CJP+18, NBM95]. **Message** [Ano07b, BZ14, GTZ04, BPS08]. **metaprogramming** [LOS16]. **metering** [FM98]. **method** [Gut04b, HJT+96, HBD19, RVV17, WLM01, WLM02]. **methodology** [CMMV07]. **Methods** [Mea92, CJP+18]. **Metric** [CMMV07]. **metrics** [HZO+13, SB18b]. **micro** [LWZZ15]. **micro-data** [LWZZ15]. **microphones** [GSAV18]. **middle** [SSM18]. **Minimizing** [VAGL09]. **Minimum** [LKAJ16]. **Mining** [SB18b, Cli00, LVA14, MSAV15, VC05]. **misbehavior** [RCBM07]. **mitigate** [ZZW+11]. **Mitigating** [AWJS19, Möl05]. **MITRE** [LB96]. **mix** [JBH13]. **mix-zone** [JBH13]. **mixtures** [BFGS08, BFGS09]. **mobile** [AS15, ASV08, BDJP10, CMTB16, DLL+18, HP00]. **Model** [AS92, BOS95, BJLT01, Bis95, DHRS11, DR16, JR04, Mil93b, Mot92, RS02, San92b, AHB00, BHČ04, CCD06, KL11, Low99, LHY+15, Mil96, RAJ98, RB99, SB99, SVA11, TR11, ZRG08, Bis96]. **Model-based** [RS02]. **Model-checking** [DHRS11, DR16]. **Modeling** [BDF+12, LFM+02, NG08]. **Modelling** [GOvdR99, Tro93]. **Models** [NBM95, ASL96, AH00b, GL10, SRS+02, TL07, YLZ05]. **modern** [GBL18]. **Modular** [CDM12, SPS+14, HS04, KSS13]. **monadic** [HH09]. **monitoring** [DJLP10, JPSS16]. **monotonic** [ASL96]. **multi** [ASL96, BSSM+07, CDE+10, CT09, DB11, DDNP14, DRRW11, HZL+18, JAH+16, MS03, NSH14, RS16, Smi06, WLJW07, ZAF08, Zúq05]. **multi-agent** [DB11]. **multi-dimensional** [CT09, WLJW07]. **multi-execution** [DDNP14, RS16]. **multi-factor** [BSSM+07]. **multi-layer** [JAH+16]. **multi-level** [ZAF08]. **multi-objective** [DRRW11, HZL+18]. **multi-parent** [ASL96]. **multi-programmed** [Zúq05]. **multi-tenant** [CDE+10]. **multi-threaded** [MS03, NSH14, Smi06]. **multiagent** [HO05].

multiapplicative [SRS+02]. **Multicast** [ZSXJ06, DMM04, DMM10, LS02, MR97]. **Multilevel** [AXR12, AJJ95, AJB93, JAK+01, KK95, TS93, AHB00, BF99, RAJ98]. **multimodal** [ATI+10]. **Multiple** [BMS95, CGM95, DFP+13, KM98, SB18b, ZHZY18]. **multisensor** [SM05]. **Multiset** [DLMS04, BCLM05, CDL+05]. **multithreaded** [DJLP10].

name [Aba98, HvdM01, SC00]. **name-spaces** [SC00]. **Needham** [War05]. **needles** [PS10a]. **net** [AH00b, ZHZY18]. **NetSTAT** [VK99]. **network** [BWJS18, BKP+12, Gei13, NG08, RW97, UC07, VK99, Weh07, dC96]. **network-based** [VK99]. **network-centric** [RW97]. **Networks** [Vis13, ZSXJ06, AFHS09, CPPS07, Chu96, GT17, HZO+13, HCM11, JBH13, KGA03, LGGO18, Lop06, Mea01, PS14, RCBM07, RH07, SPD+10, TC16, TEML08, ZDM07]. **Neural** [Gei13]. **NEXPTIME** [ŢBEB08]. **NEXPTIME-complete** [ŢBEB08]. **NFC** [AS15]. **no** [CLD+17]. **no-root** [CLD+17]. **noisy** [GT17]. **Non** [BR05b, MG08, RWW96, ZL95, DHW04, KR03, LZ13, MB09, MSas13, RS01, SPS+14, Wan06]. **non-control** [SPS+14]. **Non-delegatable** [MG08]. **non-disclosure** [MB09]. **non-interactive** [LZ13]. **Non-Interference** [ZL95, BR05b, RWW96, DHW04, RS01]. **non-malleable** [MSas13]. **non-repudiation** [KR03, Wan06]. **nondeterministic** [BBG+18]. **Noninterference** [BY95, Fol92, McL92, ABG04, Smi06, VS99, vdM15]. **Norwegian** [CW17, HSR08]. **Notarized** [GTY08]. **note** [BM99]. **novel** [SBP01]. **NPATRL** [MSC04]. **NRL** [MSC04]. **number** [Zúq05].

OBDD [CDF+12]. **obfuscated** [BCC+19]. **obfuscation** [PS14, PG09, PM18, PS10b]. **Object** [BOS95, TS93, BF99, DT97, HTS00]. **Object-Oriented** [TS93, DT97]. **objective** [CGKW17, DRRW11, HZL+18]. **objectives** [BBK14]. **obligations** [CCBE13]. **Obstruction** [BBK14]. **Obstruction-free** [BBK14]. **off** [Wan06]. **off-line** [Wan06]. **offs** [DRRW11]. **One** [SM05, PB13]. **open** [BSCGS07, LAGM17, TEML08]. **operating** [SG96]. **Operational** [LBF+93]. **operations** [Dug04, WMF+17, YLZ05]. **operator** [MS05a, MS05b]. **opinion** [CYC17]. **opportunities** [BHSV14]. **optimal** [JPSS16, MCL+19]. **Optimality** [Yah93]. **optimization** [DRRW11, LVA14]. **optimized** [HZL+18]. **Optimizing** [JBH13]. **options** [BWJS18]. **Oracle** [SB99]. **ORAM** [MMRS19]. **order** [Coh03, Hal17]. **orderings** [BSS97]. **Oriented** [TS93, DT97, LHY+15]. **origin** [BS04]. **outsourced** [BA12, CMTB16, CT09, DFP+13, LCL+15, MMRS19]. **outsourcing** [CDF+11]. **overflow** [ZZW+11]. **ownership** [NSMSN11].

P5 [SBS05]. **packet** [ZMHT07]. **pairings** [KM10]. **Panoptis** [SG02]. **Paper** [Ano15b]. **Papers** [Ano92b, Ano95b]. **paradigm** [DT97]. **Paragon** [BvDS17]. **parallel** [BR04]. **parameter** [BHSV14]. **parent** [ASL96]. **Parity** [WLJW07]. **Parity-based** [WLJW07]. **parse** [BMP18]. **parsing** [BMP18]. **partial**

[ABHS09]. **partitions** [CFG+17]. **Party** [Yah93, KSS13]. **passive** [CMS97]. **passports** [Sin11, LG10]. **Password** [BCC+19, DGMT19, HJT+96, MvO11]. **Password-based** [DGMT19]. **passwords** [vOT11]. **Patching** [BCFK15]. **Paths** [HDC95]. **pattern** [BEM+13]. **patterns** [SR19, WDDN00]. **payment** [CMS97, HP00, YTLD19]. **PCPOR** [YY15]. **Penetration** [GG92]. **Penetration-Resistant** [GG92]. **Per-session** [DGMT19]. **performance** [BGE+18, DTG16, IBS03, LŁA15, MCL+19, MM96, SV15]. **Performing** [BT06]. **persistent** [TC16]. **personal** [MMRS19, MvO11, UTHP19]. **personalization** [DLL+18]. **pervasive** [JBH13]. **Petri** [AH00b]. **phishing** [BDG+10]. **Phones** [SSM18]. **pi** [BS18, DKR10]. **pie** [HNS+14]. **PILOT** [BCC+19]. **PIN** [BCC+19]. **PKCS#11** [CFL13, DKS10]. **PKI** [BVC+14, BB14, NTU11, PS10a]. **PKI-based** [NTU11]. **placement** [HZL+18]. **plaintext** [MSas13]. **Planning** [BDF09]. **plans** [CDM12]. **platform** [GMR+11]. **policies** [AR12, BAVS19, BDP05, CFG+17, CCBE13, HTML09, MBK+15, MMHS13, NF18, RTV18, WS02]. **Policy** [AJS12, YGSY15, ASV08, BBI15, BW08, Bis12, CDE+10, CMMV07, ES06, FF11, MB09, MP06, MT08, NRW14, ZAF08]. **policy-based** [CMMV07]. **Policy-driven** [AJS12]. **Polynomial** [BPWS04, HMQU09, HM10]. **polynomial-time** [HM10]. **portscans** [SHM02]. **Power** [San92b, ASL96, HM10, LMG+18, MMF15, TL07]. **Practical** [BMV15, BvDS17, DCMP16, FBB+18, Han11, NSMSN11, SHM02, BM12, DLL+18]. **practically** [KSS13]. **practice** [DDNP14, Her09]. **predictability** [vOT11]. **Preface** [AL12, Atl11, BBW07, BCLP12, DG13, DJLS14, Foc06, Gon95, GP10, Got06, Got07, Got10, Gri11, JM92a, JM92b, JM93, JM95a, JM95b, Li12, LM92, MK93, Mil93a, Mil95a, MB12, PJ09, Sab08, Sab10, San92a, ZK06, AH00a, BR05a, BEN96, BMK97, Cup02, DM00, Foc05, Fol98, Fol99, Fri02, Gor05, Gut04a, JM96a, JM96b, JM97, JG02, LZ11, Lin99, Lin00, Mer97, Mil96, SS97, Sch03, Sch04, Syv01, Syv03, TvdR03]. **Preprocessing** [BW08]. **preservation** [DTG16]. **Preserving** [CWT14, BSSM+07, BDG14, BLB+09, DCMP16, Gut14, HSH11, HL01, LWZZ15, WMF+17, ZHZY18]. **prevent** [HLS03]. **preventing** [BDF+12, BBDG10, SKEG14]. **Prevention** [SVSM07, CRB19]. **PRIME** [ACK+10]. **principles** [SS09]. **Privacy** [ABR13, ABM+19, BSSM+07, BLB+09, MT08, SWH+08, ZHZY18, ACDS08, ACK+10, BGE+18, BCL15, BCL97, BDG14, CWT14, CYC18, CDF+11, DTG16, DKR09, DLYZ11, DRRW11, DCMP16, DLL+18, GLS+17, HSH11, HBD19, HS04, LGGO18, LYW+10, LWZZ15, MMRS19, PS14, SZP+12, TvdRO03, WMF+17, YWW+09]. **privacy-aware** [ACDS08]. **privacy-enhanced** [ACK+10]. **Privacy-preserving** [BLB+09, ZHZY18, BDG14, DCMP16, HSH11, WMF+17]. **Privacy-supporting** [ABR13]. **privacy-type** [DKR09, HBD19]. **Private** [SRG97, AAC+15, DFP+13, DDL15]. **proactive** [MTJ+19]. **Probabilistic** [MBK+15, Shm04, VS99, ABG04, HM10, JPSS16, MTJ+19, MMHS13, NS06, Smi06]. **probability** [KKN+17]. **Problem** [HCH+93, BCL15, BFO05, CGKW17, MSAV15, TC16]. **problems** [YT11].

procedure [HS05]. **Process** [FG95, RS01, ABG04, BCLM05, BS04, JAH+16, WDDN00, YLZ05]. **process-algebraic** [ABG04]. **processes** [APRR14]. **processing** [AXR12, JAK+01, MM96, RAJ98]. **product** [KSWH00]. **profile** [SVA11]. **profiles** [LWWJ02]. **Programmable** [HPS03]. **programmed** [Zúq05]. **programming** [BvDS17, HVL12]. **programs** [BBG+18, BPR07, DJLP10, MS03, NSH14]. **Project** [ACK+10]. **Prometheus** [CCP+17]. **Proof** [GP12, BGSW11, BR05b, RRAZ19]. **proofs** [AGHP14, BU10, GL10, Hal17, MCB13, YY15]. **Properties** [FG95, Fol92, BJLT01, CDL06, DHRS11, DR16, DKR09, DMP03, Hal17, HBD19, NRW14, RDDM10]. **property** [PM18]. **property-driven** [PM18]. **propositional** [Bis12]. **proprietary** [DKS10]. **Protecting** [GLS+17, BSSB06, DFP+18]. **Protection** [AS92, Bis95, Bis96, HSR08, Mil93b, San92b, ATI+10, CAFL10, DLRS01, WD08]. **protections** [SPS+14]. **Protocol** [Mea92, MSC04, BHM14, BCLM05, BHČ04, CB15, CDL+05, CW17, DDL15, GT17, GTZ04, Gut14, LS02, MR97, MCB13, MS05a, MS05b, NSC18, Pau01, SBS05, SBP01, War05, Yas02, ZF12, MSC04]. **Protocols** [SM95, Syv92, Yah93, AS15, ABK+11, Bel03, Bla09, BBD+05, BR05b, CPP08, Coh03, CEHM07, CDL06, DDMP05, DKR09, DGJN14, DMP03, DLMS04, FHG99, GRKL15, GJ03, GJ04, GEL98, Gut04b, HSH11, HLS03, HL01, JH09, KKN+17, KSS13, KR03, KM10, KK16, Low98, Low99, Low04a, MVB10, NR11, PB13, Pau98, PQ03, PQ06, PV05, RS05, RVV17, RB99, SB18a, ŢBEB08, Wan06]. **Prototype** [EMO+93]. **Provable** [GEL98]. **Provably** [BCM13, DJLP10, GNDB16, BMV15]. **prove** [DGJN14]. **Proved** [CB15]. **provenance** [AACP13]. **Providing** [BS04]. **Proving** [McL92, RB99, DMP03, FHG99]. **provisioning** [MP06]. **pseudonym** [CG06]. **pseudorandom** [CZ16]. **Public** [CMMV07, LG10, Pri06, TA92, YY15, CFG+17, Lop06]. **public-key** [Lop06]. **publication** [CAB10, DGMS03, HLVA11]. **Publicly** [CZ16, NMP+13, CGLZ03, LWZZ15]. **publicly-known** [LWZZ15]. **publish** [YSM14]. **publish/subscribe** [YSM14]. **publishing** [CDF+12, DFJ+15]. **purpose** [DGJN14]. **purposes** [KNTU13].

Qualified [MSZ06]. **qualitative** [Hal17]. **quality** [DRRW11, Zúq05]. **quantification** [VPZ16]. **Quantifying** [CMS09, CHM07]. **Quantitative** [AAP12, Hal17, YT11, ZMHT07]. **quantity** [Low04b]. **quantum** [SPD+10]. **queries** [Bis12, BH09, DFJ+16, VVB+09, WLJW07]. **Query** [CT09, BW08, CWT14, CYC18, DFJ+11, PS14].

random [Zúq05]. **randomization** [XC09]. **randomness** [BM99]. **range** [WLJW07]. **rank** [HS05]. **rational** [BHČ04]. **RBAC** [BAVS19, BGT15, LHY+15, RTV18]. **reader** [NTU11]. **real** [BT06, SCB+19]. **real-time** [BT06, SCB+19]. **Realm** [GLP93]. **Reasoning** [KGA03, NF18, BHM14, BS18]. **Reconstructing** [CDM04]. **reconstruction**

[HvdM03]. **records** [MMRS19]. **Recoverable** [NZS05]. **recovery** [CLK04, KM98]. **redirection** [Kre13]. **Reducing** [Hu92, VVB+09]. **reduction** [MVB10]. **refinement** [BHM14, NF18, ZAF08]. **Refining** [SB18a]. **reflection** [WS02]. **refreshments** [BGSW11]. **Registry** [SAE+05]. **Regular** [Ano15b]. **regulating** [BS02]. **Rekeying** [ZSXJ06]. **Relating** [BCLM05]. **Relational** [Mot92, WYSJ08]. **Relations** [Pau01, SP03]. **relationship** [RW97]. **relationship-based** [RW97]. **release** [BDF+12, BS02, Cho12, HTML09]. **released** [YWW+09]. **reliability** [LT17]. **reliable** [MR97, ZMHT07]. **remapping** [PSJ+13]. **Remote** [CC17, AWJS19, MCL+19]. **repair** [CC17]. **repairing** [BCM13]. **repeater** [SPD+10]. **replacement** [LHM+10]. **replacing** [KAM08]. **Replicated** [KK95, MM96]. **replicated-architecture** [MM96]. **replication** [SVSM07]. **Report** [LB96]. **represent** [BBI15]. **reproducibility** [SA16]. **repudiation** [KR03, Wan06]. **Reputation** [ST05, KNS08]. **Reputation-based** [ST05]. **requests** [VVB+09]. **Required** [Cho12]. **Requirements** [AJB93, ABFK03]. **Research** [Ano92b, ZGD04, CLM+10, Cam10, Pri06]. **resiliency** [CGKW17, ZV19]. **resistance** [KTV12]. **Resistant** [GG92]. **Resource** [Mil93b, BDJP10]. **resources** [JPSS16]. **responding** [OMSH04]. **response** [LFM+02, SSBW12, ZGD04]. **result** [ACK+10, Low99]. **retrievability** [YY15]. **retrieval** [DCMP16]. **revisited** [DGMT19, DDL15]. **revocation** [CAB10, HTML09, NTU11]. **revoking** [CMS97]. **rewriting** [BCLM05, CDL+05, DLMS04]. **RFID** [ALP11, ABK+11, DLYZ11, HSH11, Han11, KNTU13, NSMSN11, NTU11]. **ring** [LYW+10]. **Risk** [HZL+18, Mal10, SWC07, CPP08]. **Risk-aware** [HZL+18]. **RMP** [VAGL09]. **Robust** [HJT+96, MSZ06, RCBM07, ZDM07, Her09, LUV+18]. **Robustness** [MSZ06]. **Rogaway** [MW04]. **Role** [BGS06, SB99, SM95, AJS12, AHB08, AR12, BBI15, LVA14, MSAV15, RTV18, TR11, UAV+14, VAGL09, YGSY15]. **Role-based** [BGS06, SB99, AJS12, AR12, BBI15, TR11, VAGL09]. **roles** [SB18b]. **rollbackability** [ZGD04]. **rollover** [Gue09]. **room** [ABM+19]. **Root** [CRB19, CLD+17]. **routing** [PV05]. **RSA** [NZS05, ZDM07]. **RSA-based** [NZS05]. **rule** [LKAJ16, VC05]. **run** [SVSM07]. **run-time** [SVSM07]. **runtime** [HMQU09].

safely [HM13]. **safety** [AH00b]. **sample** [BDG14, Cli00]. **sandboxes** [PGK14]. **sandboxing** [LSMR16]. **satisfiability** [CGKW17]. **SAv5** [CDWM19]. **Scalable** [AR12, BB14, SBS05]. **scale** [SA16, ZDM07]. **scan** [XVW+06]. **scenarios** [Lot97, dSRCP17]. **Scheduler** [ZGDS13]. **schedulers** [HM10]. **scheduling** [BN07]. **Schematic** [AS92, San92b]. **Scheme** [ZSXJ06, LYW+10, MSas13, NSMSN11, SZP+12]. **schemes** [AGHP14, BM99, DTG16, Xu07]. **Schroeder** [War05]. **Scriptless** [HNS+14]. **scripts** [DDNP14]. **SDSI** [Aba98, CEE+01, HvdM01, JR04]. **Search** [MVB10, KM98, MRR+18, PS14]. **Search-space** [MVB10]. **Searchable** [CGKO11, DRD11]. **Second** [HDC95]. **SecPAL** [BFG10]. **Secrecy**

[ŢBEB08, CS13, KGA03]. **secret** [GT17, WMF+17]. **secrets** [Pau01]. **SECTET** [AHB08]. **SECTET-framework** [AHB08]. **Section** [Ano15b, Mil99]. **Secure** [ABFK03, AJJ95, AJB93, BEM+13, BN07, BF99, BC92, BA12, CG06, CMTB16, CPPS07, CDWM19, DDNP14, HLVA11, HVL12, KK95, PTMW10, RS16, SV03, TS93, TLY+19, VC05, Yah93, ZSXJ06, AXR12, ALP11, AHB00, BHM14, BCG+02, BMPR05, BMV15, BKA+97, BB14, CB15, CCD06, CDF+08, CDM12, DMM04, DMM10, FBB+18, GNDB16, HJT+96, JAK+01, KSS13, LHM+10, Lot97, MR97, PQ06, SR19, SC00, VIS96, ZAF08, dC96]. **securely** [LAGM17]. **Securing** [ALP11, Chu96, RH07, SST08]. **Security** [BSR97, CLM+10, Cam10, DB11, FG95, FJ95, Gra92, Jac92, Kar00, LBF+93, Mot92, SPD+10, UAV+14, Vis13, ZAF08, AS15, AH97, ACM04, ASV08, AFHS09, BPS08, BMP18, BBK14, BBI15, BCL15, BJLT01, BBG+18, BCLM05, Bla09, BT06, BDP05, BBD+05, BDGS16, BSS97, BPR07, CDE+10, CGLZ03, CMMV07, CDL+05, CJP+18, CMPP14, CWT14, CEHM07, CCBE13, DDMP05, DKS10, DGMT19, DT97, DMP03, DLMS04, FHG99, FR06, FF11, FM98, GRKL15, GJ03, GLZ11, GL10, GEL98, GOvdR99, Gut04b, Gut14, Hal17, HH09, HLS03, HBS16, HL01, JH09, JPSS16, JAH+16, KNTU13, KK16, Low98, Low99, MTJ+19, Mal10, MBK+15, MS03, MMHS13, MS96, MCB13, MGK+17, MVB10, MGS+17, MSB17, NSC18, NRW14, PB13, RS05, RVV17, RW97, RB99, RDDM10, SR19, SRS+02, Sin97, Sin11]. **security** [SA16, SBP01, SV15, SB18a, TvdRO03, ŢBEB08, WS02, Xu07, Yas02, ZF12, dSRCP17, Ano92b, GHRS05, BR09]. **Security-Enhanced** [GHRS05]. **security-sensitive** [dSRCP17]. **selection** [BFGS08, BFGS09, SSBW12]. **Selective** [CDF+11]. **self** [SVSM07]. **self-replication** [SVSM07]. **semantic** [AHB00, PS10b, RAJ98, FF11]. **semantic-based** [AHB00, RAJ98]. **Semantics** [JH09, PG09, Syv92, BFG10]. **Semantics-based** [PG09]. **sensitive** [BDF+12, LFM+02, SSBW12, dSRCP17]. **sensor** [CPPS07, Lop06]. **sensors** [KSZ02]. **sentiment** [CYC17]. **separate** [YGSY15]. **Separation** [Fol92, NBM95]. **sequences** [HFS98, QJ97]. **Server** [ATW97, CC17]. **server-side** [CC17]. **Server-supported** [ATW97]. **Servers** [CGM95, DRD11]. **Service** [BCL15, Mil93b, BDF09, BS02, CDM12, Mea01, Möl05, RFLW96]. **services** [CWT14, SVA11]. **session** [BCFK15, CRB19, CDF+08, DGMT19]. **set** [BDG14, Elb08, VC05]. **severity** [VPZ16]. **severity-based** [VPZ16]. **SGX** [FBB+18]. **Shared** [DRD11]. **Sharing** [LGGO18, DTG16, WMF+17]. **Sharing-habits** [LGGO18]. **shift** [GLZ11]. **Short** [BFPV13, SSM18]. **shuffle** [LZ13]. **SIA** [CPPS07]. **Side** [KSWH00, CC17, GSAV18, KB11, MCL+19, SCB+19]. **side-channel** [GSAV18, KB11]. **signature** [AGHP14, LHM+10]. **signatures** [ATW97, BFPV13, DTX09, ZDM07, NZS05]. **signcryption** [LYW+10]. **signing** [NS06]. **sill** [HNS+14]. **similarity** [BDG14, KPS16]. **simple** [CHM07]. **simplifying** [HL01]. **simulatability** [HMQU09]. **simulator**

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