

# A Complete Bibliography of *ACM Transactions on Autonomous and Adaptive Systems (TAAS)*

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## Title word cross-reference

*p* [BDMP12].

**-persistent** [BDMP12].

**2012** [Edi14]. **2013** [PH15]. **2014** [BE16].  
**2015** [SI17]. **2016** [CPS17].

**3PC** [HSM<sup>+</sup>12].

**802.15.4** [BRDA16].

**Access** [VMG14, KM08]. **Accesses**  
[WVT<sup>+</sup>17]. **Accurate** [JH13]. **Achieving**  
[HL13]. **ACM** [FMVC14]. **acquisition**  
[FFJ<sup>+</sup>12]. **Action** [Gab11]. **Actuation**  
[MM17]. **actuator** [MPBMP<sup>+</sup>10]. **Ad**  
[CW11, MR11, SZB19, PRJ11, SLJS08].  
**Adaptare** [DCL<sup>+</sup>12]. **Adaptation**  
[AMG18, BVPD17, Buc19, CMGS16,  
CLSS<sup>+</sup>13, EYCM16, FMVC14, GGPTRC16,  
KKK<sup>+</sup>16, MCGS18, RMKM17, DCL<sup>+</sup>12,  
KGJ12, PSB<sup>+</sup>12, RTH19, ZP12].  
**adaptative** [HKR08]. **Adapting**  
[HAMR13, RTN<sup>+</sup>17]. **Adaptive**  
[AA16, APSM18, ARS17, Bak11, BSS<sup>+</sup>14,  
BUL<sup>+</sup>18, BWW<sup>+</sup>17, BRDA16, CHC16,  
CY07, DBDF19, FMA<sup>+</sup>17, HSL<sup>+</sup>07, DW15,  
IJDZ16, KCH14, LZ13, LVP15, LEC<sup>+</sup>15,  
LCT<sup>+</sup>18, LXX<sup>+</sup>14, MVV14, ONC17, SGP13,  
ST13, SHRB13, SQX<sup>+</sup>07, VMG14, VG14,  
WCW<sup>+</sup>17, XLXZ14, ZSLG16, AGLV10,  
BDMP12, BN12, FRL09, GPTW13,  
HSM<sup>+</sup>12, KGJ08, LPZZ09, MIRG06,

PDCE11, ST09, SWM19, WXZ10, WMA12, XVYH11, YTW08, ZS09]. **Adaptiveness** [PSPR15]. **Adaptivity** [SMSÇ<sup>+</sup>10]. **Added** [AMS<sup>+</sup>19]. **Adding** [CEK14]. **Admission** [GSD08]. **Advantage** [BMS11]. **affect** [KIW06]. **against** [DXP14, KD07, LXX<sup>+</sup>14]. **Agent** [AA16, ADV16, CLSS<sup>+</sup>13, CW14, GR08, LCQB19, LV07, MDC17, PPB17, WCW<sup>+</sup>17, FRL09, GCC06, HKR08, KGJ12, Pos07, WHH<sup>+</sup>10b, WHH10a]. **agent-based** [GCC06]. **AgentLink** [POPM07]. **Agents** [Buc19, DBDF19, FCD<sup>+</sup>18, RH16, SZB19, JI07, MIRG06, PPSM07]. **Agile** [USC<sup>+</sup>08]. **Agilla** [FRL09]. **AID** [ZS09]. **Airborne** [BUL<sup>+</sup>18]. **Algorithm** [BRDA16, RPG<sup>+</sup>15, SBMM17, APA12, MHZ13, SLJS08]. **Algorithms** [WV18]. **Algorithmic** [BSS<sup>+</sup>14, CFGM16, DP16, FMSA11, Gab11, SCC17, BN12, DKMD11, FMS08, KGJ08, PB13, WDTS11]. **Allocation** [ASS<sup>+</sup>15, JZL15, KPO19, ZCS12]. **ambient** [AGLV10, DHC10, Her10, LV10]. **A}nalysis** [BCF<sup>+</sup>08, GGPTRC16, KTK<sup>+</sup>16, SGP13, SBMM17, Lit07]. **Analytics** [LF19]. **Analyzing** [CMGS16, WNV12a]. **Android** [RMM19]. **Anomaly** [IJDZ16, ZS09]. **Anonymity** [BR11]. **Anonymous** [DK12, MT09]. **Ant** [SLJS08, LDD06, PB13]. **Ant-based** [SLJS08]. **Anycast** [CW11]. **Application** [GCC06, LR12, PSB<sup>+</sup>12]. **Applications** [BDLM11, FBL18, GB14, HBDD14, LCT<sup>+</sup>18, LDC<sup>+</sup>18, MS15, MVV14, SHRB13, ZSLG16, AGLV10, CSLZ10, LS09, USC<sup>+</sup>08]. **Approach** [CMRZ15, CLW<sup>+</sup>14, DLPT14, Gab11, JAJ<sup>+</sup>18, MVV14, Men16, SWM19, SZB19, VMG14, VGR<sup>+</sup>15, WVT<sup>+</sup>17, AVC09, GPTW13, GYSD08, GR10, LV07, PSB<sup>+</sup>12, PSFC12, XVYH11]. **approaches** [KGJ12]. **approximation** [PB13]. **Apps** [RMM19]. **Arbitrary** [MG11]. **Architecture** [FDMD15, HKR08]. **Architectures** [GGV20]. **Area** [HBDD14]. **Argumentation** [SDOP20]. **Argumentation-Based** [SDOP20]. **Array** [PSPR15]. **Arrays** [HMF<sup>+</sup>15]. **Articles** [FMVC14]. **Artificial** [CHC16]. **Assembly** [FP17, GR10, TGT<sup>+</sup>06]. **association** [DHC10]. **Asynchrony** [BR11]. **Attacks** [BSS<sup>+</sup>14]. **Attributed** [HEC<sup>+</sup>16]. **Auction** [TVKB16, ZCS12]. **Augmented** [IJDZ16]. **Auto** [DRPQ14, LDC<sup>+</sup>18]. **Auto-Profiling** [LDC<sup>+</sup>18]. **AutoHome** [BDLM11]. **Automated** [FE12, KIW06, MLsRA<sup>+</sup>15]. **Automatic** [SC19, CLHX12, DCL<sup>+</sup>12]. **automatically** [YTW08]. **Automaton** [MG11]. **Autonomic** [AOK11, BBC<sup>+</sup>11, BDLM11, DXP14, DLPT14, DC12, IA18, LZ13, LF19, MHP<sup>+</sup>12, AVC09, DDF<sup>+</sup>06, KM08, LS09, Lit07, XVYH11]. **Autonomous** [BCC<sup>+</sup>17, BWV<sup>+</sup>17, FCD<sup>+</sup>18, Gab11, MPBMP<sup>+</sup>10, SMHP15, WNV12a, WNV12b]. **AutoPlacer** [PRRR15]. **Availability** [RDKB15, LLL12]. **Aware** [CMGS16, FCD<sup>+</sup>18, MCGS18, FS09, GSD08, RTH19]. **Awareness** [LV07, ESBT19, PRJ11]. **Axiomatization** [PSA12]. **backend** [SA06]. **Balancing** [JZL15, AHM09, GYP12]. **base** [LR12]. **Based** [AA16, BBDB15, CLW<sup>+</sup>14, CMP13, IA18, KKK<sup>+</sup>18b, LZ13, MS15, MM17, MDC17, MBB11, SDOP20, DRVF14, AVC09, BDMP12, CSLZ10, DHC10, FS09, GR08, GCC06, LLL12, MZ07, MIRG06, PDCE11, SLJS08, WS10, XLX12, FB15]. **Batching** [CGJZ15]. **Bayesian** [Mam11]. **Behavior** [DBDF19, KTK<sup>+</sup>16, PDCE11, RTH19, LDD06]. **Behavior-based** [PDCE11]. **Behaviors** [BBC<sup>+</sup>11, DW15]. **Best** [BE16, CPS17, Edi14, FMVC14, PH15, SI17, VDK16]. **Bike** [CPZZ20]. **Bike-sharing** [CPZZ20]. **Bilateral** [CW14]. **Billing** [RB17]. **Binary** [GMMB15]. **Bio** [GMM12, FMS08]. **Bio-Inspired** [GMM12, FMS08]. **biology** [BCD<sup>+</sup>06]. **Bionic** [DXP14]. **Bird** [MR11]. **Birth**

[KD16]. **Birth-Death** [KD16]. **BitTorrent** [LXX<sup>+</sup>14]. **BizOps** [FBL18]. **block** [GYSD08]. **bootstrapping** [MT09]. **boundary** [GJM12]. **bounding** [SLJS08]. **BPMN** [SC19]. **Budget** [RB17]. **Budget-Driven** [RB17]. **Build** [RH16]. **built** [ZS09].

**CAAC** [VMG14]. **Cache** [LCT<sup>+</sup>18]. **call** [PDCE11]. **Camera** [LEC<sup>+</sup>15, MM17]. **Capacity** [WUK<sup>+</sup>18]. **Capital** [PPB17]. **Case** [Buc19, GMM12]. **causal** [PRJ11]. **Cellular** [MG11]. **Centralized** [ZCS12]. **Centric** [GGPTRC16, LVP15, MCPB20]. **Certification** [ST13]. **Challenges** [PSA12, ST09]. **Changing** [KKK<sup>+</sup>16, FFJ<sup>+</sup>12]. **characterization** [GL08]. **Characterizing** [RTN<sup>+</sup>17]. **Checking** [BBDB15, HSL<sup>+</sup>07]. **checkpoints** [CY07]. **Chemical** [VCMZ11]. **Chemical-Inspired** [VCMZ11]. **Choosing** [LLL12]. **Chowkidar** [BLK<sup>+</sup>09]. **churn** [LMSM12]. **churn-resilient** [LMSM12]. **Circle** [DLIP08]. **class** [KGJ08]. **Classification** [JH13, KIW06]. **Cloud** [FBL18, GB14, LCQB19, TVKB16, WVT<sup>+</sup>17, WUK<sup>+</sup>18, ZSLG16]. **Clouds** [GS18, RB17]. **Clustering** [dASH16, GR08, QPGS12, ZCS12]. **Clusters** [LWQL16, dASH16, SA06]. **Cluttered** [KLWS16]. **Coalition** [PBARA14]. **coevolution** [WNV12b]. **Cognitive** [CMP13, MPC<sup>+</sup>15]. **Collaborative** [RH16, LV07]. **Collective** [Buc19, CHC16, HSC<sup>+</sup>18, KKK<sup>+</sup>18b, PPA18, SS12]. **collectives** [FSW<sup>+</sup>10]. **Collisionless** [SBMM17]. **Combining** [CPZZ20]. **Common** [PBM14]. **Common-Pool** [PBM14]. **Communication** [XZL11, BDMP12, FSW<sup>+</sup>10]. **communications** [DDF<sup>+</sup>06]. **Compact** [MLsRA<sup>+</sup>15]. **Comparison** [MHP<sup>+</sup>12]. **compasses** [SDY09]. **Complex** [BCC<sup>+</sup>17, HEC<sup>+</sup>16, ONC17, JI07].

**Complexity** [BEK09, CEK14]. **Component** [EYCM16]. **Composition** [AOK11, Bak11, HS11, MBB11, SHRB13, WCW<sup>+</sup>17, FS09]. **Computational** [Gab11, VA11]. **Computer** [Mam11, DK12]. **Computing** [Bak11, BMS11, MHP<sup>+</sup>12, PSPR15, BCD<sup>+</sup>06, BCC<sup>+</sup>12, HSM<sup>+</sup>12, KGJ08, Lit07, SMSQ<sup>+</sup>10, TMC<sup>+</sup>11, WBSI10]. **Concepts** [PSA12]. **Conceptual** [CGPP12]. **Concurrency** [LF19]. **Conditional** [ST13]. **conflicts** [DNT09]. **Connection** [RMKM17]. **Connectivity** [KRM16]. **Consensus** [BR11, GMMB15]. **conserving** [SLJS08]. **Considerations** [GS18]. **Consistency** [RTN<sup>+</sup>17]. **consistent** [SDY09]. **Constant** [JB11]. **constrained** [SLJS08]. **constraint** [MHZ13]. **constraints** [CY07]. **Construction** [BWO17, War19]. **Consumption** [FCD<sup>+</sup>18]. **Containment** [CLW<sup>+</sup>14]. **content** [SA06]. **context** [FS09, WHH<sup>+</sup>10b, WHH10a]. **context-aware** [FS09]. **context-driven** [WHH<sup>+</sup>10b, WHH10a]. **Continuous** [CW14, FP17]. **Continuous-Time** [CW14]. **Control** [APSM18, ARS17, BDMP12, FMA<sup>+</sup>17, FDMD15, HWH<sup>+</sup>17, KLWS16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, LZ13, LF19, LDL16, MVV14, RMKM17, SWM19, VMG14, WUK<sup>+</sup>18, XLXZ14, GYSD08, KM08, LR12, LND12, WCD<sup>+</sup>09]. **Control-based** [BDMP12]. **Control-theoretic** [SWM19]. **Controllers** [SCC17]. **Controlling** [BWO17, KTK<sup>+</sup>16, KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RMM19]. **convention** [VSMS13]. **Convergence** [FE12, KB12, PB13, ZSA09]. **Cooperation** [ACW10, PBARA14, TGT<sup>+</sup>06]. **Cooperative** [ASS<sup>+</sup>15, HLM15, MVV14, TMC<sup>+</sup>11]. **Coordination** [FMVC14, HLM15, VCMZ11, MPBMP<sup>+</sup>10]. **correction** [CLHX12]. **correctness** [HSL<sup>+</sup>07]. **Cost**

[BWW<sup>+</sup>17, GS18, KKK<sup>+</sup>16]. **Coupled** [LCT<sup>+</sup>18, KB12]. **Coverage** [LDL16, GJM12]. **Crash** [BR11]. **Creating** [MSA09]. **cross** [CSLZ10, PSB<sup>+</sup>12]. **cross-entropy** [CSLZ10]. **cross-layer** [PSB<sup>+</sup>12]. **Crossing** [HWH<sup>+</sup>17]. **Crowdsourcing** [JAJ<sup>+</sup>18, MPC<sup>+</sup>15]. **Cyber** [LVP15, SJN18]. **Cyber-Physical** [LVP15].

**Data** [CMP13, DRPQ14, LVP15, LF19, LCT<sup>+</sup>18, Men16, MCPB20, PRRR15, RDKB15, dASH16, ZSA09]. **Data-Analytic** [LF19]. **Data-Centric** [LVP15]. **data-driven** [ZSA09]. **Database** [GS18]. **databases** [SA06]. **Deadline** [ZCVL13]. **Deadline-Driven** [ZCVL13]. **Death** [KD16]. **Decentralised** [ONC17]. **Decentralized** [AOK11, ARS17, KGJ12, KB15, LND12, PPA18, RDKB15, QPGS12]. **Decision** [AA16, KKK<sup>+</sup>18b, MHP<sup>+</sup>12, MCGS18, SS12]. **Decision-Making** [KKK<sup>+</sup>18b, MHP<sup>+</sup>12, MCGS18]. **deeper** [XLX12]. **Defending** [LXX<sup>+</sup>14]. **Defense** [DXP14, KD07]. **Defined** [HWH<sup>+</sup>17]. **Defining** [FP17]. **Degree** [JB11]. **Delay** [LZ13, SLJS08]. **Demand** [BW19]. **Demonstration** [BWO17]. **dependable** [DCL<sup>+</sup>12]. **Dependencies** [EYCM16]. **dependency** [PRJ11]. **dependent** [MHZ13]. **Deployed** [ZSLG16]. **Deployment** [SZB19, WDTS11]. **Description** [Dua11]. **Design** [ARS17, BCD<sup>+</sup>06, BBDB15, CHC16, CW11, CMP13, FE12, GDA10, DW15, QPGS12, PPSM07]. **Designing** [LR12, WV18, War19, YHT16, ZSLG16]. **Despite** [BR11]. **Detecting** [DGL<sup>+</sup>11]. **Detection** [CLW<sup>+</sup>14, IJDZ16, ONC17, SQX<sup>+</sup>07, YTW08, ZS09]. **detectors** [ZS09]. **Device** [BVPD17, DY08]. **devices** [Das12]. **DevOps** [FBL18]. **different** [APA12]. **differential** [APA12, CEA08]. **dimensional** [WCD<sup>+</sup>09]. **Disaster** [SZB19]. **Discovery** [Bak11, CW11, Dua11, FGB11, DHC10]. **Discrete** [SMHP15]. **Dispersion** [Bea15]. **disruption** [XWN09]. **disruption-tolerant** [XWN09]. **Dissemination** [CMP13, MCPB20]. **dissolution** [VSMS13]. **Distributed** [BMS11, DGL<sup>+</sup>11, FB15, FSW<sup>+</sup>10, GMMB15, HMF<sup>+</sup>15, KLWS16, LVP15, LEC<sup>+</sup>15, MM17, MVV14, Men16, PRRR15, RPG<sup>+</sup>15, RTN<sup>+</sup>17, SHRB13, SMHP15, WVT<sup>+</sup>17, War19, BCD<sup>+</sup>06, Dat08, Dat09, HSL<sup>+</sup>07, LMSM12, LR12, RYC<sup>+</sup>07, SLJS08, WMA12, ZCS12]. **Distribution** [BVPD17, GB14]. **Distributive** [PBM14]. **Disturbances** [GMMB15]. **Diverse** [LDL16]. **Division** [LDD06]. **Domains** [CW14]. **downloading** [DHJ08]. **Driven** [BSS<sup>+</sup>14, BBDB15, GGV20, RB17, VG14, ZCVL13, BW09, MIRG06, PSB<sup>+</sup>12, WHH<sup>+</sup>10b, WHH10a, ZSA09]. **drivers** [DY08]. **Dumb** [KRM16]. **DVFS** [CGJZ15]. **Dynamic** [CPZZ20, DBDF19, GGV20, LEC<sup>+</sup>15, MBB11, PBARA14, SC19, CY07, DCL<sup>+</sup>12, FS09, SA06, USC<sup>+</sup>08, WHH<sup>+</sup>10b, WHH10a]. **dynamically** [FFJ<sup>+</sup>12]. **Dynamics** [XLXZ14, JI07, WNV12a].

**e-Sampling** [BWW<sup>+</sup>17]. **Economic** [FBL18, PSA12]. **Economies** [PPA18]. **Ecosystems** [CMRZ15]. **Editorial** [LV10, Nus18, PZ11, PZ13, PZ18, VP09, WBSI10]. **Effective** [VA11, WUK<sup>+</sup>18]. **Efficiency** [CGJZ15, Das12]. **Efficient** [CFGM16, GYP12, HSC<sup>+</sup>18, MCGS18, WXZ10]. **Eigenspace** [SQX<sup>+</sup>07]. **Elastic** [DRPQ14, Men16]. **Elasticity** [GS18]. **Electronic** [PPB17]. **Embedded** [JH13, RYC<sup>+</sup>07]. **Emergence** [HSC<sup>+</sup>18, ONC17, VSMS13]. **Emergencies** [VMG14]. **Emergent** [FP17, KTK<sup>+</sup>16]. **Empowered** [FSW<sup>+</sup>10]. **enabled** [LCQB19]. **enabling** [CDV09]. **encoding** [MS12]. **Energy**

[CGJZ15, LWQL16, SLJS08]. **Enforcement** [RMM19]. **Engineering** [APSM18, CMRZ15, ESBT19, VG14, PSFC12]. **Enhancing** [PRB16]. **Ensembles** [Buc19]. **enterprise** [MSA09]. **Entities** [AOK11]. **entropy** [CSLZ10]. **Entry** [MAFS<sup>+</sup>18]. **Environment** [Gab11]. **Environments** [BCC<sup>+</sup>17, KLWS16, KKK<sup>+</sup>16, MDC17, SHRB13, SZB19, VA11, ZSLG16, DCL<sup>+</sup>12, DHC10, FFJ<sup>+</sup>12, GPTW13, GDA10, Her10, LV07, MIRG06, TMC<sup>+</sup>11]. **Epidemic** [XLXZ14, XLX12]. **equilibrium** [CEA08]. **erasure** [MS12]. **erasure-resilient** [MS12]. **Establishment** [SZB19]. **estimation** [ZSA09]. **EUREMA** [VG14]. **Evaluation** [CMP13, MCPB20, DC12, GDA10, QPGS12]. **Event** [BWW<sup>+</sup>17, HEC<sup>+</sup>16, JH13, SMHP15, PRJ11]. **Event-Sensitive** [BWW<sup>+</sup>17]. **eventually** [SDY09]. **Evidence** [WS10]. **Evidence-based** [WS10]. **E}volution** [BCF<sup>+</sup>08, SCC17, APA12, TMC<sup>+</sup>11]. **evolutionary** [WDTS11]. **evolvable** [LS09]. **Evolved** [HWH<sup>+</sup>17]. **evolving** [MHZ13]. **exchange** [Das12]. **Exchanging** [LCT<sup>+</sup>18]. **Execution** [PRB16]. **Executions** [SJM18]. **exercise** [CDGT08]. **Experience** [BBC<sup>+</sup>11]. **Experiments** [PSA12]. **Explicit** [WUK<sup>+</sup>18]. **Exploiting** [AHM09, HBDD14]. **Expression** [KIW06]. **Extended** [CPS17, PH15, VDK16]. **Extending** [PPSM07]. **Extracting** [VHK<sup>+</sup>17]. **Extraction** [SC19].

**Facial** [KIW06]. **Factorization** [FG15]. **factors** [WNET07]. **fair** [Das12]. **Farewell** [PZ18]. **Fast** [CLW<sup>+</sup>14, DP16, JH13, KKK<sup>+</sup>16]. **Fast-Spreading** [CLW<sup>+</sup>14]. **Fault** [AD09, FG15, RYC<sup>+</sup>07, WCD<sup>+</sup>09]. **fault-tolerant** [WCD<sup>+</sup>09]. **faults** [CLHX12]. **Feature** [BWO17]. **featuring** [FMS08]. **File** [LCT<sup>+</sup>18]. **Filters** [KCH14]. **Fine** [RB17]. **Fine-Grained** [RB17]. **firewall** [CLHX12]. **First** [CLHX12, Nus18]. **Fishing** [DXP14]. **Flexible** [MCGS18, CGPP12, MS12]. **Flight** [MR11]. **Flight-Inspired** [MR11]. **Floating** [PSPR15]. **Floating-Point** [PSPR15]. **Flow** [MAFS<sup>+</sup>18]. **Flows** [IJDZ16]. **foraging** [LDD06]. **Formal** [ARS17, CD11, DLPT14, DW15, BCC<sup>+</sup>12, WMA12]. **formalized** [PSB<sup>+</sup>12]. **Formation** [KLWS16, PBARA14, DLIP08, GJM12]. **formations** [GLMN09]. **FORMS** [WMA12]. **forums** [POPM07]. **Fostering** [PBARA14]. **fragments** [PSFC12]. **Framework** [BDLM11, CPZZ20, FGB11, MS15, PTW07, AVC09, GJM12, LS09, WXZ10]. **free** [SA12]. **fundamental** [CDV09]. **Fuzzy** [LZ13, AGLV10].

**Gabriel** [MG11]. **Game** [Men16, RDKB15, YHT16, AVC09]. **Game-Theoretic** [Men16, RDKB15]. **Games** [CMGS16, AL09, CEA08]. **Gap** [HWH<sup>+</sup>17]. **gather** [SDY09]. **Gathering** [SBMM17]. **geared** [WS10]. **general** [GL08]. **generation** [GR10]. **Generic** [FDMD15, DNT09]. **Geo** [GS18]. **Geo-Elasticity** [GS18]. **Geometric** [BMS11]. **Gesture** [HMF<sup>+</sup>15]. **Goals** [CV19, SC19, SDOP20]. **Gossiping** [DP16]. **Grained** [RB17]. **Graph** [HEC<sup>+</sup>16, KTK<sup>+</sup>16, RPG<sup>+</sup>15, DKMD11]. **Graphs** [DBDF19, MG11]. **GraphStep** [DKMD11]. **grid** [CY07, FMS08]. **Grids** [DRPQ14, Dua11, MG11, GYSD08]. **G}roup** [BCF<sup>+</sup>08, ADV16, LDD06]. **Groups** [AMS<sup>+</sup>19]. **Growth** [HWH<sup>+</sup>17]. **Guarantee** [LZ13]. **Guarantees** [SWM19].

**Handle** [SWM19]. **hardware** [DKMD11]. **hash** [LMSM12]. **hash-tables** [LMSM12]. **Healing** [GGV20, MS15]. **health** [BLK<sup>+</sup>09]. **Heterogeneity** [LEC<sup>+</sup>15, WNV12a]. **Heterogeneous** [FGB11, FDMD15, SHRB13, GDA10]. **Heuristic** [HSC<sup>+</sup>18, WDTS11].

**heuristic/evolutionary** [WDTS11]. **Heuristics** [CMP13]. **Hierarchical** [KKK<sup>+</sup>18a, HSL<sup>+</sup>07]. **High** [Dua11, PPSM07]. **High-Performance** [Dua11]. **Hoc** [CW11, MR11, SZB19, PRJ11, SLJS08]. **Holonic** [FDMD15, HKR08]. **Home** [BDLM11]. **Host** [CLW<sup>+</sup>14, SS12]. **Host-Based** [CLW<sup>+</sup>14]. **Human** [MCPB20]. **Human-centric** [MCPB20]. **hybrid** [WDTS11]. **Hyper** [SCC17]. **Hyper-Learning** [SCC17]. **hypernetwork** [JI07].

**IaaS** [RB17]. **IEEE** [TS07]. **III** [POPM07]. **Imitation** [RH16]. **immunologically** [LS09]. **immunologically-inspired** [LS09]. **Immunology** [CHC16]. **Impairment** [RMKM17]. **Implementation** [CHC16, CW11, DKMD11, KM08]. **implementations** [BW09]. **Improve** [MVV14]. **Improvement** [CGJZ15, APA12]. **Improving** [APA12, GGV20, LF19, AHM09]. **In-Memory** [DRPQ14]. **incentive** [WNV12a]. **Incentives** [CPZZ20]. **Increase** [RDKB15]. **incremental** [GPTW13]. **indulgence** [GL08]. **Inferring** [EYCM16]. **Influence** [RTH19]. **Influence-aware** [RTH19]. **Information** [KKK<sup>+</sup>18b]. **Informed** [KB15]. **infrared** [KIW06]. **infrastructure** [SA12]. **Infrastructureless** [FMSA11]. **Infrastructures** [VMG14]. **Inherently** [MDC17]. **inhibitory** [KB12]. **inhibitory-coupled** [KB12]. **Initial** [KB15]. **Innovative** [SZB19]. **insights** [XLX12]. **Inspired** [GMM12, MR11, VCMZ11, XZL11, FMS08, GR10, KGJ08, LDD06, LS09]. **Instances** [PRB16]. **Institutions** [PSA12]. **Integrals** [KD16]. **Integrating** [WCW<sup>+</sup>17]. **intelligence** [AGLV10, DHC10, Her10, LV10]. **Intelligent** [CW14, DHC10]. **Intensity** [VHK<sup>+</sup>17]. **Interaction** [EYCM16, MZ07, Pos07]. **Interactions** [RMM19]. **Interactive** [KM08]. **Interdomain** [VGR<sup>+</sup>15]. **Interface** [BW19]. **Internet** [BVPD17, CGJZ15, USC<sup>+</sup>08]. **Interoperable** [AGLV10, FGB11]. **interpretation** [KIW06]. **Introduction** [BCC<sup>+</sup>12, BE16, BN12, Dat08, Dat09, Edi14, LPZZ09, POPM07, SI17, Ser06, TS07, ZP12]. **Intrusion** [IA18, SQX<sup>+</sup>07, YTW08, ZS09]. **invariant** [HSL<sup>+</sup>07]. **IoP** [MCPB20]. **Isolation** [MSA09]. **Issue** [Bak11, Dat08, Dat09, LPZZ09, LV10, POPM07, TS07, VP09, WBSI10].

**JADE** [BBC<sup>+</sup>11]. **jointly** [SLJS08]. **Just** [BRDA16]. **Just-in-Time** [BRDA16]. **Justice** [PBM14].

**Kalman** [KCH14]. **Key** [PRRR15, RTN<sup>+</sup>17, WNV12a]. **Key-Value** [PRRR15]. **keying** [EGK08]. **Knob** [WUK<sup>+</sup>18]. **Knowledge** [KPO19, FFJ<sup>+</sup>12, MT09, MIRG06]. **knowledge-driven** [MIRG06].

**labor** [LDD06]. **Laboratory** [BCF<sup>+</sup>08]. **Landscape** [ST09]. **Language** [DLPT14, SGP13]. **Language-Level** [SGP13]. **Large** [GGV20, KKK<sup>+</sup>16, KKK<sup>+</sup>18a, MCPB20, RPG<sup>+</sup>15, AD09, WCD<sup>+</sup>09]. **Large-Scale** [KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RPG<sup>+</sup>15, MCPB20, AD09, WCD<sup>+</sup>09]. **Latency** [CMGS16, MCGS18, RTN<sup>+</sup>17]. **Latency-Aware** [CMGS16, MCGS18]. **layer** [PSB<sup>+</sup>12]. **Lean** [JH13]. **Learning** [FP17, GPTW13, GF19, HL13, HLM15, HSC<sup>+</sup>18, KB15, LCQB19, MDC17, MAFS<sup>+</sup>18, PPA18, RTH19, SCC17, VGR<sup>+</sup>15, WCW<sup>+</sup>17, XWN09]. **less** [SDY09]. **Level** [SGP13]. **Libraries** [RMM19]. **Light** [CDV09]. **Lightweight** [FE12, KKK<sup>+</sup>16]. **like** [CSLZ10]. **limited** [SDY09]. **Link** [VGR<sup>+</sup>15, ZSA09]. **Literature** [ESBT19].

**Load**

[GB14, JZL15, VHK<sup>+17</sup>, AHM09, GYP12].

**Local** [LCT<sup>+18</sup>]. **localization** [GCC06].

**localizations** [RYC<sup>+07</sup>]. **Locally**

[DGL<sup>+11</sup>]. **location** [AHM09].

**Logarithmic** [EGK08]. **Logistic** [DBDF19].

**Low** [BWW<sup>+17</sup>]. **Low-Cost** [BWW<sup>+17</sup>].

**M** [ZS09]. **M-AID** [ZS09]. **Machine**

[XWN09]. **MACODO**

[WHH<sup>+10b</sup>, WHH10a]. **Macro**

[Mam11, BMZ12]. **Maintenance**

[SDOP20, War19]. **Making** [AA16, BW19,

KKK<sup>+18b</sup>, MHP<sup>+12</sup>, MCGS18]. **Malware**

[DXP14]. **managed** [PPA18]. **Management**

[BDLM11, BW19, HEC<sup>+16</sup>, KPO19, MM17,

MAFS<sup>+18</sup>, PBM14]. **Management-Based**

[MM17]. **Managing** [LWQL16]. **MANET**

[BDS07]. **MANETs** [XWN09]. **Many**

[MG11]. **MAPE** [DW15]. **MAPE-K**

[DW15]. **MARC** [FCD<sup>+18</sup>]. **Market**

[LCQB19]. **Markets** [TVKB16]. **MAS**

[DRVF14]. **Matching** [LCQB19].

**mathematical** [WS10]. **Matrix** [FG15].

**Measure** [AMS<sup>+19</sup>]. **measurement**

[KIW06]. **measures** [AD09]. **Mechanism**

[KKK<sup>+18b</sup>, TVKB16, DRVF14, CSLZ10].

**Mechanisms**

[RDKB15, APA12, BDS07, WNV12a].

**Media** [SR16]. **Memory**

[DRPQ14, AL09, SDY09]. **memory-less**

[SDY09]. **message** [BW09].

**message-driven** [BW09]. **Method**

[BBDB15, FE12, KKK<sup>+18a</sup>, LDC<sup>+18</sup>,

CSLZ10, Lit07, PSFC12]. **methodologies**

[PSFC12]. **Methods**

[XZL11, BCC<sup>+12</sup>, FSW<sup>+10</sup>]. **Metric**

[MG11]. **Microgrids** [FDMD15].

**Middleware**

[FGB11, FRL09, WHH<sup>+10b</sup>, ZS09].

**Migrations** [LCT<sup>+18</sup>, WVT<sup>+17</sup>].

**MiniMax** [CEA08]. **minority** [AL09].

**Mitigating** [BSS<sup>+14</sup>]. **Mix** [LWQL16].

**Mixing** [Bea15]. **Mobile**

[BCC<sup>+17</sup>, CW11, MR11, SZB19, WVT<sup>+17</sup>,

XZL11, DLIP08, FRL09, SDY09]. **Mobility**

[Buc19]. **Mode** [JB11]. **Model**

[APSM18, BSS<sup>+14</sup>, BBDB15, IA18, LCQB19,

VG14, GCC06, WS10, WHH10a, WMA12].

**Model-Based** [IA18]. **Model-Driven**

[BSS<sup>+14</sup>, VG14]. **Modeling**

[BBDB15, DBDF19, FCD<sup>+18</sup>, KD16,

LXX<sup>+14</sup>, MCPB20, SQX<sup>+07</sup>, VHK<sup>+17</sup>,

WNV12a, ZCVL13, CGPP12, WNV12b].

**Models** [BN12, VA11]. **Modulation**

[WUK<sup>+18</sup>]. **Monitoring**

[BWW<sup>+17</sup>, CV19, FG15, BLK<sup>+09</sup>, HSL<sup>+07</sup>].

**morphogenetic** [GJM12]. **Motion**

[HWH<sup>+17</sup>]. **Multi**

[ADV16, Buc19, CLSS<sup>+13</sup>, GGPTRC16,

GB14, LV07, MDC17, PPB17, SJN18,

WCW<sup>+17</sup>, DHC10, DC12, HAMR13, HKR08,

MHZ13, Pos07, TGT<sup>+06</sup>, USC<sup>+08</sup>, ZCS12].

**Multi-Agent** [ADV16, CLSS<sup>+13</sup>, LV07,

MDC17, PPB17, WCW<sup>+17</sup>, HKR08, Pos07].

**Multi-Agents** [Buc19]. **Multi-Cloud**

[GB14]. **multi-constraint** [MHZ13].

**multi-objective** [HAMR13]. **multi-policy**

[DC12]. **Multi-Robot**

[SJN18, TGT<sup>+06</sup>, ZCS12].

**multi-society-based** [DHC10].

**Multi-Tenant** [GGPTRC16]. **multi-tier**

[USC<sup>+08</sup>]. **Multiagent**

[HL13, HLM15, JAJ<sup>+18</sup>, SQX<sup>+07</sup>, WS10].

**multicast** [AVC09, SLJS08, XVYH11].

**Multidimensional** [GMM12].

**Multilayered** [LV07]. **multilevel** [JI07].

**Multimedia** [MM17]. **Multiobjective**

[FDMD15]. **Multiplex** [JZL15]. **multirate**

[XVYH11]. **Multirobot** [KLWS16, GJM12].

**Multiscale** [FDMD15]. **Multitolerance**

[CEK14]. **mutation** [WXZ10]. **mute**

[BW09]. **Mutual** [RTH19].

**Natural** [HWH<sup>+17</sup>]. **nature**

[GR10, KGJ08]. **nature-inspired**

[GR10, KGJ08]. **necessary** [CY07].

**Negative** [KTK<sup>+16</sup>]. **Negotiation**

[CW14, SR16, GR08, PTW07]. **Nervous** [DXP14]. **Network** [Dua11, FE12, IJDZ16, SQX<sup>+</sup>07, SZB19, BLK<sup>+</sup>09, GSD08, LS09, LR12]. **Networked** [BWW<sup>+</sup>17, CEA08]. **networking** [LPZZ09]. **Networks** [AMG18, CW11, CMP13, FGB11, GMMB15, JZL15, KRM16, KKK<sup>+</sup>16, KKK<sup>+</sup>18a, LEC<sup>+</sup>15, LDL16, LXX<sup>+</sup>14, MM17, Mam11, MR11, MPC<sup>+</sup>15, RMKM17, XLXZ14, ACW10, AD09, DK12, FRL09, GLMN09, HSL<sup>+</sup>07, LLL12, MPBMP<sup>+</sup>10, MT09, MS12, PRJ11, SA12, VSMS13, WCD<sup>+</sup>09, WNV12a, WNV12b, WNET07, XVYH11, XLX12, ZSA09]. **Neural** [LZ13]. **Nodes** [KRM16]. **Non** [MDC17]. **Non-Stationary** [MDC17]. **Normative** [MLsRA<sup>+</sup>15]. **Norms** [ADV16, HSC<sup>+</sup>18, SDOP20]. **Number** [dASH16].

**objective** [HAMR13]. **Obstacles** [CV19]. **omega** [BW09]. **Online** [IJDZ16, MLsRA<sup>+</sup>15, SCC17, QPGS12]. **Open** [ASS<sup>+</sup>15, ST13, RYC<sup>+</sup>07]. **operators** [WXZ10]. **Opponents** [CW14]. **Opportunistic** [BUL<sup>+</sup>18, CMP13, MPC<sup>+</sup>15]. **Optimal** [BW09, BR11, BRDA16, HL13, KKK<sup>+</sup>18a, LND12]. **optimistic** [Das12]. **Optimization** [CPZZ20, LDC<sup>+</sup>18, MHP<sup>+</sup>12, ZCVL13, DC12, HAMR13, WDTS11]. **optimizer** [WXZ10]. **optimizing** [GYSD08, LR12]. **Options** [WV18]. **Orchestration** [SMHP15]. **Ordering** [SJM18]. **organic** [SMSQ<sup>+</sup>10, WBSI10]. **Organisations** [ADV16]. **Organised** [KPO19, PBM14]. **Organising** [PPB17]. **Organization** [AA16, PSPR15, DRVF14, CSLZ10, SMSQ<sup>+</sup>10, WHH10a]. **organizations** [KGJ12, WHH<sup>+</sup>10b, WHH10a]. **Organized** [KKK<sup>+</sup>16, GJM12, Her10]. **Organizing** [AOK11, KRM16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, PSA12, BMZ12, BDS07, FSW<sup>+</sup>10, FMS08, KB12, LS09, LPZZ09, PRJ11, PSFC12, WCD<sup>+</sup>09]. **Oriented** [DRVF14]. **Oscar** [GDA10]. **oscillators** [KB12]. **Our** [BMS11]. **Outcomes** [HL13]. **Overlay** [GMM12, GDA10, WNV12b, WNET07]. **Overlays** [JB11]. **Overview** [DC12].

**P2P** [BDS07, CSLZ10, GMM12, JB11, LLL12]. **P2P-like** [CSLZ10]. **Papers** [BE16, CPS17, Edi14, PH15, SI17, VDK16]. **Parallel** [MVV14]. **Parallelization** [CFGM16]. **Parameter** [BRDA16]. **Parsimonious** [GR10]. **Particle** [WXZ10]. **partitioned** [GYP12]. **Partitioning** [RPG<sup>+</sup>15]. **Partner** [PBARA14]. **partners** [LLL12]. **pattern** [GJM12]. **patterns** [BCD<sup>+</sup>06]. **Peer** [LXX<sup>+</sup>14, DHJ08, HSM<sup>+</sup>12, KGJ08, LMSM12, WNET07]. **Peer-to-Peer** [LXX<sup>+</sup>14, DHJ08, HSM<sup>+</sup>12, KGJ08, LMSM12, WNET07]. **Percentile** [LZ13]. **Percentile-Based** [LZ13]. **Perception** [FP17]. **Performance** [BSS<sup>+</sup>14, CGJZ15, CMP13, Dua11, GS18, LF19, LDC<sup>+</sup>18, ZCVL13, Lit07, MSA09]. **performance-robust** [MSA09]. **Periods** [RB17]. **persistent** [BDMP12]. **Perspective** [JAJ<sup>+</sup>18]. **perturbations** [GYP12]. **Pervasive** [Bak11, BDLM11, CMRZ15, CD11, Dua11, Gab11, MZ07, SHRB13, VCMZ11, BCC<sup>+</sup>12, DC12, GPTW13, HSM<sup>+</sup>12, SF12, ZP12]. **pheromone** [MZ07]. **pheromone-based** [MZ07]. **philosophers** [DNT09]. **Physical** [LVP15, SJN18]. **Pig** [ZCVL13]. **Placement** [BCC<sup>+</sup>17, PRRR15, Her10]. **Planning** [IA18, KB15]. **Plans** [SDOP20]. **Plants** [HWH<sup>+</sup>17]. **playing** [WNV12a]. **Point** [PSPR15]. **points** [MSA09]. **Policies** [KB15]. **Policy** [GF19, SR16, CLHX12, DC12]. **Pool** [PBM14]. **pools** [LND12]. **population** [AAFJ08]. **power** [LR12]. **Predicates** [DGL<sup>+</sup>11]. **Prediction** [MDC17]. **Prediction-Based** [MDC17]. **Predictive**



[APSM18, MVV14, XVYH11]. **predictor** [PDCE11]. **Preferences** [MBB11, GPTW13]. **Prescriptive** [BBDB15]. **Presence** [SMHP15]. **Price** [BR11]. **Prices** [VGR<sup>+</sup>15]. **Primate** [XZL11]. **Primate-Inspired** [XZL11]. **Principles** [PSA12]. **Privacy** [SR16]. **Proactive** [MCGS18, VMG14]. **Probabilistic** [CV19, GF19]. **problem** [GCC06]. **problem-solving** [GCC06]. **Process** [LCT<sup>+</sup>18]. **Processes** [KD16, BW09]. **Processing** [HEC<sup>+</sup>16, Men16, PSPR15]. **Profiles** [VHK<sup>+</sup>17]. **Profiling** [LDC<sup>+</sup>18]. **Profitability** [WUK<sup>+</sup>18]. **Programming** [DLPT14, HBDD14, Mam11]. **Programs** [ZCVL13, BEK09]. **Properties** [BDS07]. **Property** [BBDB15]. **Property-Driven** [BBDB15]. **Protecting** [YEM14]. **Protection** [IA18]. **Protocol** [MR11, BDMP12]. **Protocols** [FE12, AAFJ08, CDV09, Pos07]. **Providing** [GS18]. **Provisioning** [GB14, KCH14, LZ13, SA06, USC<sup>+</sup>08]. **psychology** [AVC09]. **Public** [HBDD14, WUK<sup>+</sup>18]. **pull** [XLX12]. **pull-based** [XLX12]. **Push** [XLX12]. **Push-** [XLX12].

**QoS** [AHM09, GSD08]. **queries** [GYP12].

**Radio** [BW19]. **random** [GYP12]. **Ranking** [WNET07]. **Rational** [VA11, ZS09]. **Reactive** [SA06, WV18, GCC06]. **reading** [MS12]. **Reality** [HWH<sup>+</sup>17]. **Reasoning** [SDOP20]. **Rebalancing** [CPZZ20]. **Recognition** [HMF<sup>+</sup>15]. **reconfigurability** [RYC<sup>+</sup>07]. **reconfigurable** [PRJ11]. **Reconfiguration** [MVV14]. **Reestablishment** [KRM16]. **reference** [WMA12]. **Reflective** [SF12]. **Regulation** [CLSS<sup>+</sup>13]. **Reinforcement** [GF19, HL13, HLM15, KB15, MDC17, MAFS<sup>+</sup>18, VGR<sup>+</sup>15, WCW<sup>+</sup>17].

**reinforcing** [VSMS13]. **RelaxDHT** [LMSM12]. **Reliability** [PRB16]. **Reliable** [BLK<sup>+</sup>09, JZL15, AVC09]. **Renewable** [LWQL16]. **Repair** [War19]. **Replicated** [DRPQ14]. **Replication** [PRB16, LMSM12]. **Requirements** [APSM18]. **research** [ST09]. **resilient** [LMSM12, MS12]. **Resolution** [CV19]. **Resource** [ASS<sup>+</sup>15, FCD<sup>+</sup>18, JH13, KCH14, KPO19, LF19, PBM14, SSN<sup>+</sup>12, SMHP15, LND12]. **Resource-Lean** [JH13]. **resources** [AL09]. **Response** [IA18, ZS09]. **results** [BEK09, PB13]. **retrieval** [MIRG06]. **Reuse** [GF19]. **Review** [ESBT19]. **Reviewers** [Ano06, Ano07, Ano08, ACM06, Ano09]. **Revised** [CPS17, PH15, VDK16]. **revising** [BEK09]. **Reward** [GGV20]. **Rewriting** [HEC<sup>+</sup>16]. **RFID** [MZ07, XZL11]. **Rigorously** [DW15]. **Robot** [BBDB15, KD16, SJN18, SBMM17, SCC17, WV18, War19, GLMN09, JI07, TGT<sup>+</sup>06, ZCS12]. **robots** [DLIP08, LDD06, SDY09]. **Robust** [CLSS<sup>+</sup>13, HSC<sup>+</sup>18, VSMS13, MSA09]. **robustness** [KB12]. **role** [RYC<sup>+</sup>07, WNV12a]. **roles** [RYC<sup>+</sup>07]. **Routing** [MR11, VGR<sup>+</sup>15, MHZ13, PRJ11, PB13, SLJS08, ZSA09]. **rtual** [BCF<sup>+</sup>08]. **rule** [GR10]. **run** [HSL<sup>+</sup>07]. **run-time** [HSL<sup>+</sup>07]. **Runtime** [CV19, KTK<sup>+</sup>16, RMM19, RTH19].

**SAC** [FMVC14]. **Safe** [DHJ08, GF19]. **Safety** [ST13, Dat08, Dat09]. **Sampling** [BWW<sup>+</sup>17, LVP15]. **SAPERE** [CMRZ15]. **SASO** [CPS17, PH15, VDK16]. **Scalability** [GGV20]. **Scalable** [FBL18, JB11, PRRR15, BLK<sup>+</sup>09]. **Scale** [KKK<sup>+</sup>16, KKK<sup>+</sup>18a, RPG<sup>+</sup>15, AD09, MCPB20, WCD<sup>+</sup>09]. **Scaler** [DRPQ14]. **Scaling** [DRPQ14]. **ScatterD** [WDTS11]. **SCEL** [DLPT14]. **Scheduling** [RB17]. **Scientific** [RB17, HAMR13]. **SDN** [MAFS<sup>+</sup>18]. **SEAMS** [BE16, Edi14, SI17]. **secret** [SA12]. **Section**

[BE16, Edi14, SI17, BCC<sup>+</sup>12, BN12, ZP12]. **security** [Dat08, Dat09, SA12]. **SeDiM** [FGB11]. **Selected** [CPS17, PH15, VDK16]. **Selection** [Gab11, HS11, SSN<sup>+</sup>12, CY07, DHC10, SS12]. **Self** [AA16, AOK11, APSM18, AAFJ08, ARS17, BVPD17, BMZ12, BBC<sup>+</sup>11, CMGS16, CGJZ15, DXP14, DNT09, DY08, DP16, ESBT19, FB15, FMVC14, FCD<sup>+</sup>18, FP17, FMA<sup>+</sup>17, GGV20, GLMN09, Her10, HEC<sup>+</sup>16, DW15, KRM16, KB12, KPO19, KKK<sup>+</sup>16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, LZ13, LCQB19, MS15, MHP<sup>+</sup>12, MCGS18, PRRR15, PSPR15, PRJ11, PPB17, PSA12, PBM14, PPA18, RMKM17, RTH19, ST09, SGP13, SWM19, DRVF14, VG14, WCD<sup>+</sup>09, YHT16, YEM14, ACW10, BDS07, BN12, CSLZ10, DHJ08, FSW<sup>+</sup>10, FRL09, FMS08, GYSD08, GR10, GJM12, KGJ08, KGJ12, LS09, LPZZ09, PSFC12, SMSQ<sup>+</sup>10, TGT<sup>+</sup>06, VSMS13, WMA12]. **Self-Adaptation** [BVPD17, CMGS16, FMVC14, MCGS18, RMKM17, RTH19, KGJ12]. **Self-Adaptive** [AA16, APSM18, ARS17, FMA<sup>+</sup>17, DW15, LZ13, SGP13, VG14, ST09, SWM19, BN12, FRL09, KGJ08, LPZZ09, WMA12]. **Self-Adaptiveness** [PSPR15]. **Self-Assembly** [FP17, GR10, TGT<sup>+</sup>06]. **Self-Aware** [FCD<sup>+</sup>18]. **Self-awareness** [ESBT19]. **Self-Defense** [DXP14]. **self-downloading** [DHJ08]. **Self-Healing** [GGV20, MS15]. **Self-Learning** [LCQB19]. **Self-managed** [PPA18]. **Self-Management** [HEC<sup>+</sup>16]. **Self-Optimization** [MHP<sup>+</sup>12]. **self-optimizing** [GYSD08]. **Self-Organised** [KPO19, PBM14]. **Self-Organising** [PPB17]. **Self-Organization** [PSPR15, DRVF14, CSLZ10, SMSQ<sup>+</sup>10]. **Self-Organized** [KKK<sup>+</sup>16, Her10, GJM12]. **Self-Organizing** [AOK11, KRM16, KKK<sup>+</sup>18a, KKK<sup>+</sup>18b, PSA12, BMZ12, KB12, PRJ11, WCD<sup>+</sup>09, BDS07, FSW<sup>+</sup>10, FMS08, LS09, LPZZ09, PSFC12]. **Self-Protecting** [YEM14]. **self-reconfigurable** [PRJ11]. **self-reinforcing** [VSMS13]. **Self-Self** [BBC<sup>+</sup>11]. **self-similar** [ACW10]. **Self-Stabilized** [DP16]. **Self-Stabilizing** [FB15, YHT16, AAFJ08, DNT09, DY08, GLMN09]. **Self-Tuning** [CGJZ15, PRRR15]. **selfish** [CDGT08]. **semantic** [GR08]. **Semantics** [FS09]. **Semantics-based** [FS09]. **Sensing** [BWW<sup>+</sup>17]. **Sensitive** [BWW<sup>+</sup>17]. **Sensor** [AMG18, BCC<sup>+</sup>17, BUL<sup>+</sup>18, HMF<sup>+</sup>15, KRM16, LDL16, MM17, RMKM17, AD09, BLK<sup>+</sup>09, FRL09, HSL<sup>+</sup>07, MPBMP<sup>+</sup>10, ZSA09]. **Sensors** [JH13, XZL11, BMZ12]. **Sequential** [FG15]. **Server** [LWQL16, SA06]. **Servers** [CGJZ15, KCH14]. **Service** [AOK11, Bak11, CMRZ15, Dua11, FCD<sup>+</sup>18, FGB11, HS11, LCQB19, SSN<sup>+</sup>12, DRVF14, WCW<sup>+</sup>17, WVT<sup>+</sup>17, FS09, GYSD08, Her10, MIRG06, PTW07]. **Service-Oriented** [DRVF14]. **Services** [CW11, GGPTRC16, VCMZ11, AGLV10, TMC<sup>+</sup>11]. **Setting** [BRDA16]. **shared** [LND12, SA12, SA06]. **shared-secret** [SA12]. **Sharing** [BUL<sup>+</sup>18, PPA18, CPZZ20]. **SHō** [MS15]. **SimCA\*** [SWM19]. **similar** [ACW10]. **S}imulation** [BCF<sup>+</sup>08]. **Simulations** [CMGS16, SMHP15]. **Situated** [LV07]. **skin** [KIW06]. **Small** [JB11]. **Smart** [BW19, Buc19, FDMD15, LEC<sup>+</sup>15, VMG14, GSD08]. **Smartphone** [BW19]. **SMT** [FB15]. **SMT-Based** [FB15]. **snap** [CDV09]. **snap-stabilization** [CDV09]. **So-Grid** [FMS08]. **soccer** [JI07]. **Social** [BCF<sup>+</sup>08, HL13, HLM15, PPB17, SR16, ACW10, AVC09, VSMS13]. **Socially** [HL13]. **society** [DHC10]. **Socio** [KD07, PSA12]. **Socio-Economic** [PSA12]. **Socio-technical** [KD07]. **SOD** [BW19]. **Software** [AMG18, APSM18, ESBT19, EYCM16, FP17, FMA<sup>+</sup>17, SGP13, VG14, YEM14,

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### Ubiquitous

[Bak11, CD11, Dua11, LV07, TMC<sup>+</sup>11].

### Uncertainty

[KKK<sup>+</sup>18b, SWM19, SMHP15].

### Understanding

[JAJ<sup>+</sup>18]. **Underwater** [LDL16]. **unified** [WXZ10]. **Unifying** [WMA12]. **Units** [LF19]. **UNITY** [BEK09].

### Unknown

[CLW<sup>+</sup>14, CW14]. **unreliable** [GLMN09]. **upon** [ZS09]. **Urban** [Buc19, HBDD14]. **Urban-Area** [HBDD14].

### Usage

[VA11]. **use** [AL09]. **User** [CPZZ20, GGPTRC16, HWH<sup>+</sup>17, MBB11, AHM09, GPTW13]. **User-Centric** [GGPTRC16]. **User-Defined** [HWH<sup>+</sup>17].

### users

[GSD08]. **Using** [BSS<sup>+</sup>14, CMGS16, FP17, KCH14, KD16, MAFS<sup>+</sup>18, PRB16, RH16, SDY09, YHT16, Das12, HAMR13, HSL<sup>+</sup>07, KIW06]. **Utility** [GGV20, DRVF14]. **Utility-Based** [DRVF14]. **Utility-Driven** [GGV20].

### Value

[AMS<sup>+</sup>19, PRRR15, RTN<sup>+</sup>17]. **variability** [PPSM07]. **Variable** [dASH16]. **variations** [KIW06]. **vehicle** [MPBMP<sup>+</sup>10].

### Verification

[ARS17, CD11, CY07]. **Very** [JB11]. **Vi** [BCF<sup>+</sup>08]. **Via** [LF19, PB13, ZCS12]. **Viable** [WV18].

### virtual

[BMZ12]. **Virtualized** [KCH14].

### Virus

[DXP14]. **ViSAGE** [BCF<sup>+</sup>08].

### visibility

[SDY09]. **Visual** [BWO17]. **voice** [KD07].

### WA

[MS15]. **weak** [DLIP08]. **Web** [GYSD08, MS15, PTW07]. **Web-Based** [MS15]. **Wireless** [AMG18, LDL16, MM17, RMKM17, SZB19, AHM09, AD09, BLK<sup>+</sup>09, FSW<sup>+</sup>10, FRL09, HSL<sup>+</sup>07, LPZZ09, MPBMP<sup>+</sup>10, MIRG06, SA12, WCD<sup>+</sup>09].

### within

[SJN18]. **WLANs** [AHM09].

### Workflow

[PRB16, CY07, HAMR13].

### Workflows

[RB17, SC19, CGPP12]. **World** [BMS11]. **Worm** [CLW<sup>+</sup>14]. **Worms** [LXX<sup>+</sup>14]. **writing** [MS12]. **WSNs** [BRDA16].

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