

# A Complete Bibliography of *ACM Transactions on Cyber-Physical Systems (TCPS)*

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02 March 2022  
Version 1.03

## Title word cross-reference

**K** [LHS<sup>+</sup>21].  
**-Means** [LHS<sup>+</sup>21].  
**1** [HZJ21].  
**ABE** [LYWY19]. **Access** [GVM<sup>+</sup>20, WWW20]. **Accounting** [PM19]. **Accuracy** [WGH<sup>+</sup>17]. **across** [GS18, MLW20]. **Action** [NRB<sup>+</sup>18]. **Action-Based** [NRB<sup>+</sup>18]. **Activities** [PRM<sup>+</sup>20]. **Adaptation** [GBH<sup>+</sup>17, SBW20]. **Adaptive** [PPK18, TKP21, XBW<sup>+</sup>19, ZMK<sup>+</sup>17]. **Additive** [MVS<sup>+</sup>19]. **Advanced** [WZZ<sup>+</sup>20]. **Adversarial** [CCTS20, JHZ<sup>+</sup>21]. **Aerial** [LLZ<sup>+</sup>21]. **against** [LTTY18, ZDY<sup>+</sup>20]. **Aggregation** [APB<sup>+</sup>21, YWZ<sup>+</sup>19]. **Agreement** [LNE<sup>+</sup>20]. **Air** [THR20]. **AirTight** [HBD<sup>+</sup>20]. **Alerts** [BGGD20]. **Algorithm** [WKS18]. **Algorithmic** [SBA21]. **Algorithms** [KRG17]. **Analysing** [BH21]. **Analysis** [CZV<sup>+</sup>19, JZL<sup>+</sup>17, KMM<sup>+</sup>21, LLC<sup>+</sup>19, LRN<sup>+</sup>19, THR20, WKS18, ZLSZ20]. **Analytic** [WZS<sup>+</sup>19]. **Analytcs** [GS18, WZR<sup>+</sup>19]. **AND/OR** [BH21]. **Android** [WTZ<sup>+</sup>19]. **Anomaly** [FBS<sup>+</sup>21, LHS<sup>+</sup>21, LCK<sup>+</sup>19, WZZ<sup>+</sup>20]. **Anonymous** [TBKJ19]. **Anti** [KS22]. **Anti-Lock** [KS22]. **Application** [JHZ<sup>+</sup>21]. **Application-Driven** [JHZ<sup>+</sup>21]. **Applications**

[ByKLS19, BGGT21, ST18, WWL<sup>+</sup>19].

**Approach**

[AR22, AK20, CZV<sup>+</sup>19, KLMS20, LLC<sup>+</sup>19].

**Apps** [WTZ<sup>+</sup>19]. **Architecture** [WHS18].

**Area** [BTF<sup>+</sup>21]. **Arrays** [FBS<sup>+</sup>21].

**Artificial** [HZJ21]. **Aspects**

[AY17, AAH<sup>+</sup>19]. **Assessing** [KOTD21].

**Assignment** [GP20]. **Assistance**

[WZZ<sup>+</sup>20]. **Assumptions** [FGZ<sup>+</sup>20].

**Assurance** [TNY17]. **Attack**

[ADD<sup>+</sup>20, YZF18]. **Attacks**

[KS22, KOTD21, LTTY18, LLC<sup>+</sup>19,

PMAM21, YZF18, ZDY<sup>+</sup>20]. **Attestation**

[RKAG21]. **Attitude** [KMWB19].

**Attribution** [ADD<sup>+</sup>20, WLTW22].

**Augmenting** [GKEQ21]. **Authentication**

[GVM<sup>+</sup>20, WWW20, YHL<sup>+</sup>22].

**Automated** [AGG<sup>+</sup>21, AR19, RZC<sup>+</sup>22].

**Automatic** [LCK<sup>+</sup>19, WTZ<sup>+</sup>19].

**Automation** [BXL<sup>+</sup>18, KMM<sup>+</sup>21].

**Automotive** [CGCH18, GKEQ21, WLA19,

XBW<sup>+</sup>19, XZA<sup>+</sup>19]. **Autonomous**

[CBB22, KLMS20, KMA<sup>+</sup>20, KMS20,

LLZ<sup>+</sup>21, SBA21, WWC22]. **Avoidance**

[RPK<sup>+</sup>21, YS20]. **Aware** [CGCH18, JLD20,

LCC<sup>+</sup>19, RPK<sup>+</sup>21, XZA<sup>+</sup>19, YWM<sup>+</sup>19,

BGGD20, BLD<sup>+</sup>20, CZSL20, EB20,

KLMS20, RP21, WZR<sup>+</sup>19, XBW<sup>+</sup>19].

**awareness** [MLW20].

**Balancing** [MHP<sup>+</sup>21]. **Based**

[AAD<sup>+</sup>21, BCTV19, DAM<sup>+</sup>18, HSL<sup>+</sup>19,

JZL<sup>+</sup>17, LYWY19, LCK<sup>+</sup>19, LRN<sup>+</sup>19,

MN21, NRB<sup>+</sup>18, PSW<sup>+</sup>21, RPK<sup>+</sup>21,

STB<sup>+</sup>18, WKS18, WZZ<sup>+</sup>20, XCL<sup>+</sup>19,

AGG<sup>+</sup>21, BGGD20, GP20, KMM<sup>+</sup>21,

KSK20, LNE<sup>+</sup>20, LYA20, MVS<sup>+</sup>19, RP21,

WZS<sup>+</sup>19, WJL<sup>+</sup>20, YFS<sup>+</sup>19]. **Battery**

[HKS17, HMWZ18]. **Battery-Free**

[HMWZ18]. **Bayesian** [GWO<sup>+</sup>20].

**Behavior** [LCC<sup>+</sup>19, XCL<sup>+</sup>19]. **Behavioral**

[BAU20]. **between** [HMWZ18]. **Bicycle**

[CLL<sup>+</sup>21]. **Bicycle-sharing** [CLL<sup>+</sup>21]. **Big**

[LHS<sup>+</sup>21, ZYCL19]. **Black** [TLW<sup>+</sup>19].

**Blockchain** [AAD<sup>+</sup>21]. **BloothAir**

[LLZ<sup>+</sup>21]. **Bluetooth** [LLZ<sup>+</sup>21]. **Bound**

[MYL<sup>+</sup>20]. **Box** [TLW<sup>+</sup>19]. **Braking**

[KS22]. **Building** [BKIS19, NVS<sup>+</sup>21].

**BuildingRules** [NRB<sup>+</sup>18]. **Buildings**

[AR22, NRB<sup>+</sup>18]. **Bus** [KS22, TdAGI<sup>+</sup>22].

**Calibration** [ZHZ19]. **Can**

[PMAM21, KS22]. **CANOPY** [PSW<sup>+</sup>21].

**Capacity** [HKS17]. **Cardiac** [YAR<sup>+</sup>18].

**Carriers** [FGZ<sup>+</sup>20]. **Case**

[BAU20, GGB<sup>+</sup>18, HKS17, TSC21].

**Categorical** [BFV21]. **Catering** [WTZ<sup>+</sup>19].

**Center** [WLTW22]. **centeric** [APB<sup>+</sup>21].

**Centralized** [KMM<sup>+</sup>21]. **Centric** [SCB<sup>+</sup>20,

WTZ<sup>+</sup>19, AK20, HZW<sup>+</sup>20, PYD<sup>+</sup>20].

**Challenges** [JHZ<sup>+</sup>21, VBV<sup>+</sup>19]. **Changes**

[BMJ<sup>+</sup>20]. **channel** [BZW<sup>+</sup>20].

**Characterization** [WD21]. **Charging**

[YS21]. **CHARIOT** [PDK<sup>+</sup>18]. **CirclePIN**

[GVM<sup>+</sup>20]. **Cities** [MPA<sup>+</sup>20]. **Civilian**

[AY17]. **Classification** [CCTS20]. **Clock**

[RTY<sup>+</sup>19]. **Close** [YWM<sup>+</sup>19]. **Closed**

[PPK18]. **Closed-Loop** [PPK18]. **Cloud**

[GS18]. **Clustering** [ADD<sup>+</sup>20]. **Co**

[BTF<sup>+</sup>21, NVS<sup>+</sup>21, WLTW22]. **Co-Design**

[BTF<sup>+</sup>21]. **Co-Located** [WLTW22].

**Co-working** [NVS<sup>+</sup>21]. **Code** [KFSL19].

**Collaborative** [BTB<sup>+</sup>18, TNY17].

**Collection** [AAD<sup>+</sup>21]. **Collectives** [EB20].

**Collision** [RPK<sup>+</sup>21]. **Combined**

[GWO<sup>+</sup>20]. **Combining** [Asp20].

**Commercial** [NRB<sup>+</sup>18]. **Commodity**

[XCL<sup>+</sup>19]. **Communication**

[BZW<sup>+</sup>20, BTF<sup>+</sup>21, LYWY19, MYL<sup>+</sup>20,

PSW<sup>+</sup>21, WLA19, ZMK<sup>+</sup>17].

**Communications** [GRA<sup>+</sup>21].

**Compilation** [BGGT21]. **Complex**

[NRB<sup>+</sup>18]. **Component** [LSN<sup>+</sup>18].

**Composable** [RP21]. **Compression**

[HHS19]. **Compromised** [BAU20].

**Computation**

[HSL<sup>+</sup>19, XZA<sup>+</sup>19, ZYCL19]. **Computing**

[YWZ<sup>+</sup>19]. **Concerns** [WTZ<sup>+</sup>19].

**Concurrent** [TdAGI<sup>+</sup>22]. **Conduction** [YAR<sup>+</sup>18]. **Confidence** [BXL<sup>+</sup>18]. **Configuration** [LYA20]. **Configurations** [MN21]. **Conformance** [ROWA19]. **Congestion** [YS20]. **Connected** [ACLY21, KLMS20, KMA<sup>+</sup>20, KMS20, LLZ<sup>+</sup>21, RSJ21, WWC22]. **Considered** [WWC22]. **Consistently** [MMSM21]. **Constrained** [LJP20, PM19, TSC21]. **Continuous** [YHL<sup>+</sup>22]. **Control** [BBCV20, BBCV21, BMJ<sup>+</sup>20, BTF<sup>+</sup>21, CBB22, KMWB19, MGL<sup>+</sup>19, MLW20, MMSM21, TLW<sup>+</sup>19, TdAGI<sup>+</sup>22, WHS18]. **Controller** [CGCH18, MVS<sup>+</sup>19]. **Controllers** [MLW20, RZC<sup>+</sup>22]. **Convergence** [PYD<sup>+</sup>20]. **Convolutional** [TSC21]. **Cooling** [NVS<sup>+</sup>21, WLTW22]. **Cooperating** [WWC22]. **Cooperation** [Asp20]. **Coordination** [VMDJ20]. **Cost** [XZA<sup>+</sup>19]. **Countermeasures** [LTT<sup>+</sup>20]. **CPS** [SD21, BAU20, BGGD20, GGB<sup>+</sup>18, HBD<sup>+</sup>20, JSY<sup>+</sup>19, SCB<sup>+</sup>20, TLW<sup>+</sup>19, WZZ<sup>+</sup>20]. **Critical** [LSN<sup>+</sup>18, LJZ18, BH21]. **Criticality** [HBD<sup>+</sup>20, GP20]. **Cross** [TLW<sup>+</sup>19]. **Cross-Domain** [TLW<sup>+</sup>19]. **Crossroads** [KLMS20]. **Crowd** [APB<sup>+</sup>21]. **Crowd-sensed** [APB<sup>+</sup>21]. **Crowdsensing** [LSN<sup>+</sup>18, YFS<sup>+</sup>19]. **Crowdsensing-based** [YFS<sup>+</sup>19]. **CSIP** [AR19]. **Cyber** [ADD<sup>+</sup>20, AAH<sup>+</sup>19, ACLY21, BFV21, BBCV20, BH21, BLD<sup>+</sup>20, BTF<sup>+</sup>21, ByKLS19, CZSL20, CH20, EB20, FGZ<sup>+</sup>20, GP20, GBH<sup>+</sup>17, HZJ21, HHS19, JAR<sup>+</sup>20, JLD20, JRGB<sup>+</sup>18, KOTD21, KSK20, Lee17, LP18, LJP20, LCC<sup>+</sup>19, LNE<sup>+</sup>20, LCK<sup>+</sup>19, LYA20, Lu21, MGL<sup>+</sup>19, MYL<sup>+</sup>20, NHB<sup>+</sup>18, PIW<sup>+</sup>17, PRM<sup>+</sup>20, ROWA19, RP21, SSV<sup>+</sup>18, SDZV19, Sta17, THR20, WLA19, WGH<sup>+</sup>17, WMC18, WHS18, WZS<sup>+</sup>19, WYW<sup>+</sup>19, WWL<sup>+</sup>19, WGL19, WZR<sup>+</sup>19, XCL<sup>+</sup>19, XBW<sup>+</sup>19, XZA<sup>+</sup>19, YFS<sup>+</sup>19, YZF18, YWZ<sup>+</sup>19, ZYCL19, ZA18a, ZA18b, ZJP21, ZMK<sup>+</sup>17, ZGAB21].

**Cyber-Physical** [ADD<sup>+</sup>20, AAH<sup>+</sup>19, BFV21, BBCV20, BLD<sup>+</sup>20, BTF<sup>+</sup>21, ByKLS19, CH20, FGZ<sup>+</sup>20, GBH<sup>+</sup>17, HZJ21, HHS19, JAR<sup>+</sup>20, JRGB<sup>+</sup>18, KOTD21, Lee17, LP18, LJP20, LCC<sup>+</sup>19, LCK<sup>+</sup>19, Lu21, MGL<sup>+</sup>19, MYL<sup>+</sup>20, NHB<sup>+</sup>18, PIW<sup>+</sup>17, ROWA19, SSV<sup>+</sup>18, SDZV19, WLA19, WMC18, WZS<sup>+</sup>19, WWL<sup>+</sup>19, WGL19, XCL<sup>+</sup>19, XBW<sup>+</sup>19, XZA<sup>+</sup>19, YZF18, YWZ<sup>+</sup>19, ZYCL19, ZA18a, ZA18b, ZMK<sup>+</sup>17, ZGAB21, ACLY21, BH21, CZSL20, EB20, GP20, JLD20, KSK20, LNE<sup>+</sup>20, LYA20, PRM<sup>+</sup>20, RP21, WGH<sup>+</sup>17, WZR<sup>+</sup>19, YFS<sup>+</sup>19, ZJP21]. **Cyber-Physical-Social** [WYW<sup>+</sup>19].

**Daily** [PRM<sup>+</sup>20]. **Data** [AAD<sup>+</sup>21, GWO<sup>+</sup>20, HHS19, HZW<sup>+</sup>20, KMM<sup>+</sup>21, KRG17, LTTY18, LHS<sup>+</sup>21, LYWY19, LTT<sup>+</sup>20, MPA<sup>+</sup>20, MHP<sup>+</sup>21, WMC18, WWW20, WLTW22, WZR<sup>+</sup>19, YZF18, YWZ<sup>+</sup>19, ZZZ<sup>+</sup>17a, ZZZ<sup>+</sup>17b, ZYCL19, ZHZ19, ZDY<sup>+</sup>20]. **Data-driven** [MHP<sup>+</sup>21]. **Decentralized** [RKAG21, RPK<sup>+</sup>21]. **Deception** [BBCV21]. **Deception-Robust** [BBCV21]. **Decision** [BGGD20, BB21, MPA<sup>+</sup>20]. **Decomposition** [HHS19, WYW<sup>+</sup>19]. **Deep** [AGG<sup>+</sup>21, MN21, TKP21, ZYCL19]. **Deep-Learning** [TKP21]. **Defense** [KSK20, ZDY<sup>+</sup>20]. **Delay** [ZLSZ20]. **Delay-Tolerant** [ZLSZ20]. **Delivery** [HKS17]. **Demand** [MHP<sup>+</sup>21]. **Dense** [LRN<sup>+</sup>19]. **Dependability** [ByKLS19, WWL<sup>+</sup>19]. **Dependable** [JCO21, JSY<sup>+</sup>19, LCK<sup>+</sup>19, MGL<sup>+</sup>19, WZS<sup>+</sup>19, ZYCL19]. **Deploying** [AR22]. **Deployments** [BBS21]. **Derivation** [LYA20]. **Descriptions** [WTZ<sup>+</sup>19]. **Design** [BTF<sup>+</sup>21, CGCH18, FGZ<sup>+</sup>20, HSL<sup>+</sup>19, LNE<sup>+</sup>20, NC21, WZ17, XZA<sup>+</sup>19, ZLSZ20]. **Designed** [PMAM21]. **Designing** [MVS<sup>+</sup>19]. **Detecting** [LTTY18]. **Detection**

[Asp20, BAU20, CZSL20, DAM<sup>+</sup>18, FBS<sup>+</sup>21, GRA<sup>+</sup>21, JCO21, KS22, LHS<sup>+</sup>21, LCK<sup>+</sup>19, WJL<sup>+</sup>20, WZZ<sup>+</sup>20, ZGAB21].

**Determining** [KFSL19]. **Developing** [TSC21]. **Development** [JSY<sup>+</sup>19]. **Device** [STB<sup>+</sup>18]. **Devices** [BAU20, GVM<sup>+</sup>20, HMWZ18, MYL<sup>+</sup>21, PXH<sup>+</sup>19, TKP21, TBKJ19, TSC21].

**Diagnosis** [GRA<sup>+</sup>21]. **Differentially** [NC21]. **Dimension** [XCL<sup>+</sup>19]. **Directions** [Sta17]. **Discipline** [Lu21]. **Dispatching** [CLL<sup>+</sup>21]. **Distinct** [WLTW22].

**Distributed** [GKEQ21, GS18, IIL<sup>+</sup>17, RSJ21, RZC<sup>+</sup>22, STB<sup>+</sup>18, TBKJ19, WYW<sup>+</sup>19].

**Distribution** [BCTV19, PMAM21].

**Distributionally** [MHP<sup>+</sup>21]. **Dockless** [CLL<sup>+</sup>21]. **Domain** [TLW<sup>+</sup>19]. **Driven** [BTB<sup>+</sup>18, JHZ<sup>+</sup>21, KRG17, PDK<sup>+</sup>18, FBS<sup>+</sup>21, JSY<sup>+</sup>19, MHP<sup>+</sup>21]. **Driver** [WZZ<sup>+</sup>20]. **Driving** [AGG<sup>+</sup>21, BZW<sup>+</sup>20, BHX<sup>+</sup>20, YS20].

**Drone** [YFS<sup>+</sup>19]. **Drones** [AY17, LLZ<sup>+</sup>21].

**Drop** [BGGD20]. **Dumb** [IKG<sup>+</sup>19]. **Duty** [MVS<sup>+</sup>20, VMDJ20]. **Dynamic** [CLL<sup>+</sup>21, GAT20, KSK20, THR20, VMDJ20, WKS18].

**ECG** [HHS19]. **Edge** [ADD<sup>+</sup>20, GS18, PXH<sup>+</sup>19, PYD<sup>+</sup>20, STB<sup>+</sup>18]. **Editorial** [LP18]. **Effective** [ZA18a, ZA18b].

**Efficiency** [YS21]. **Efficient** [HHS19, MLW20, MYL<sup>+</sup>21, SSV<sup>+</sup>18, TdAGI<sup>+</sup>22, WWW20, ZA18a, ZA18b].

**Electric** [KRG17, YS21]. **Electricity** [GWO<sup>+</sup>20]. **Embedded** [BGGT21, RZC<sup>+</sup>22]. **Emergence** [CZV<sup>+</sup>19].

**Emergence-Oriented** [CZV<sup>+</sup>19].

**Empirical** [HHS19]. **Emulation** [BBS21, YAR<sup>+</sup>18]. **Enabling** [IIL<sup>+</sup>17, TdAGI<sup>+</sup>22]. **End** [XZA<sup>+</sup>19].

**End-to-End** [XZA<sup>+</sup>19]. **Energy** [HZI<sup>+</sup>17, HHS19, IIL<sup>+</sup>17, LCC<sup>+</sup>19, NVS<sup>+</sup>21, SSV<sup>+</sup>18].

**Energy-Efficient** [HHS19, SSV<sup>+</sup>18].

**Engineering** [Lu21]. **Enhance** [WGH<sup>+</sup>17].

**Enhancing** [BZW<sup>+</sup>20]. **Ensuring** [BXL<sup>+</sup>18]. **Environment** [BBS21, GRA<sup>+</sup>21]. **Environmental** [JCO21, TSC21]. **Environments** [KMS20].

**Estimation** [YZF18]. **Ethernet** [MN21].

**Ethics** [SBA21]. **Evaluation** [BCTV19, CBB22, DAM<sup>+</sup>18, TLW<sup>+</sup>19].

**Event** [BGGD20, CZSL20, GS18, JZL<sup>+</sup>17, TdAGI<sup>+</sup>22, WMC18, WGL19].

**Event-Based** [JZL<sup>+</sup>17]. **Event-Triggered** [TdAGI<sup>+</sup>22]. **Examples** [JHZ<sup>+</sup>21].

**Execution** [GKEQ21]. **Experimental** [SSV<sup>+</sup>18]. **Exploiting** [WGH<sup>+</sup>17].

**Explosion** [BVS<sup>+</sup>21]. **Extending** [LHS<sup>+</sup>21, ZJP21]. **Extensive** [LRN<sup>+</sup>19].

**Factor** [WWW20]. **Failures** [WHS18].

**False** [LTTY18, ZDY<sup>+</sup>20]. **Fast** [BMJ<sup>+</sup>20, TKP21]. **Fault** [JAR<sup>+</sup>20, TBKJ19, XZA<sup>+</sup>19].

**Fault-Tolerant** [TBKJ19, XZA<sup>+</sup>19]. **Faults** [PIW<sup>+</sup>17]. **Feasibility** [MN21]. **Feature** [BTB<sup>+</sup>18, ZYCL19]. **Feature-Driven** [BTB<sup>+</sup>18]. **Feedback** [BMJ<sup>+</sup>20]. **Feet** [HMWZ18]. **Finite** [RP21, YFS<sup>+</sup>19].

**Firmware** [RKAG21]. **Flexible** [BVS<sup>+</sup>21].

**Flight** [MMSM21]. **Flows** [THR20].

**Fluctuation** [WD21]. **Flying** [YWM<sup>+</sup>19, RPK<sup>+</sup>21]. **Forecasting** [GWO<sup>+</sup>20]. **Forest** [LHS<sup>+</sup>21]. **Formal** [GGB<sup>+</sup>18, WJL<sup>+</sup>20]. **Formalization** [SBA21]. **Formulae** [BB21]. **Forward** [EEC<sup>+</sup>21, WWW20]. **Forward-trading** [EEC<sup>+</sup>21].

**Framework** [BAU20, GAT20, HSL<sup>+</sup>19, MMSM21, TSC21, VMDJ20, WZS<sup>+</sup>19]. **Free** [HMWZ18]. **Frequency** [AK20].

**Frequency-regulating** [AK20]. **Full** [JAR<sup>+</sup>20]. **Functional** [XBW<sup>+</sup>19, XZA<sup>+</sup>19].

**Fundamental** [Lee17]. **Fuzzy** [ADD<sup>+</sup>20].

**Game** [YS21]. **Gas** [BCTV19]. **Gateway** [STB<sup>+</sup>18]. **Gaussian** [GWO<sup>+</sup>20].

**Generation** [KFSL19, KMS20, MYL<sup>+</sup>20,

WLA19, WTZ<sup>+</sup>19]. **Generators** [AK20]. **Goal** [PDK<sup>+</sup>18]. **Goal-Driven** [PDK<sup>+</sup>18]. **Gordian** [WJL<sup>+</sup>20]. **Graphs** [BH21]. **Grid** [BAU20, RTY<sup>+</sup>19, WZS<sup>+</sup>19, ZDY<sup>+</sup>20]. **Grids** [KRG17, LLC<sup>+</sup>19, TNY17]. **Groups** [Asp20]. **Guarantees** [BMJ<sup>+</sup>20]. **Guest** [LP18].

**Hand** [BHX<sup>+</sup>20]. **Harvesting** [PXH<sup>+</sup>19]. **Health** [DAM<sup>+</sup>18]. **Healthcare** [Sta17]. **Heavy** [MVS<sup>+</sup>20, VMDJ20]. **Heavy-Duty** [VMDJ20]. **Heterogeneous** [ZZZ<sup>+</sup>17a]. **Hidden** [YHL<sup>+</sup>22]. **Hiddenness** [ZDY<sup>+</sup>20]. **Holistic** [MGL<sup>+</sup>19, MLW20]. **Home** [BXL<sup>+</sup>18, KMM<sup>+</sup>21, LCC<sup>+</sup>19, PRM<sup>+</sup>20]. **Homes** [PSW<sup>+</sup>21]. **Hood** [BGMM19]. **Hop** [TdAGI<sup>+</sup>22, BMJ<sup>+</sup>20]. **HUCDO** [HZW<sup>+</sup>20]. **Hue** [KMM<sup>+</sup>21]. **Human** [WGH<sup>+</sup>17, WZR<sup>+</sup>19, XBW<sup>+</sup>19]. **Human-Interaction-aware** [XBW<sup>+</sup>19, WZR<sup>+</sup>19]. **Humans** [YWM<sup>+</sup>19]. **Humidities** [WLTW22]. **Hybrid** [HZW<sup>+</sup>20]. **Hypergames** [BBCV20, BBCV21].

**II** [ZA18b]. **Image** [MVS<sup>+</sup>19]. **Image-based** [MVS<sup>+</sup>19]. **Impact** [THR20, TLW<sup>+</sup>19]. **Impairment** [DAM<sup>+</sup>18]. **Implementation** [JSY<sup>+</sup>19, LNE<sup>+</sup>20]. **Imprecise** [HSL<sup>+</sup>19]. **Improve** [JRGB<sup>+</sup>18, WWL<sup>+</sup>19, ZGAB21]. **Improved** [XCL<sup>+</sup>19]. **Improving** [BHX<sup>+</sup>20, HKS17, VBV<sup>+</sup>19]. **In-motion** [YS21]. **In-Vehicle** [RKAG21]. **Incentive** [NC21]. **Incentivizing** [IIL<sup>+</sup>17]. **Incision** [GGB<sup>+</sup>18]. **Incomplete** [ZHZ19]. **Independent** [KFSL19]. **Indoor** [LCK<sup>+</sup>19, TKP21]. **Industrial** [KOTD21]. **Inferring** [IKG<sup>+</sup>19]. **Information** [RP21]. **Infrastructure** [ZZZ<sup>+</sup>17a, ZZZ<sup>+</sup>17b]. **Injection** [LTTY18, YZF18, ZDY<sup>+</sup>20]. **Input** [HHS19]. **Integrating** [LJP20]. **Integration** [HSI<sup>+</sup>20, RZC<sup>+</sup>22, ZZZ<sup>+</sup>17a]. **Integrity** [LTT<sup>+</sup>20]. **Intelligence** [HZJ21]. **Intelligent** [ZLSZ20]. **Interaction** [EB20, XBW<sup>+</sup>19, WZR<sup>+</sup>19]. **Interactions** [WGH<sup>+</sup>17]. **Interactive** [LYA20]. **Internet** [APB<sup>+</sup>21, BTB<sup>+</sup>18, DRC<sup>+</sup>18, LSN<sup>+</sup>18, PYD<sup>+</sup>20, WZ17, ZA18a, ZA18b]. **Intersection** [KLMS20, KMA<sup>+</sup>20, WWC22, ZLSZ20]. **Intersections** [AR19]. **Intervals** [ZJP21]. **Introduction** [AAH<sup>+</sup>19, ACLY21, CH20, HZJ21, JLD20, Kuo17, SCB<sup>+</sup>20, SD21, WZR<sup>+</sup>19]. **Introspection** [BGMM19]. **Intrusion** [GRA<sup>+</sup>21, ZGAB21]. **IoT** [AAD<sup>+</sup>21, BBS21, BXL<sup>+</sup>18, GVM<sup>+</sup>20, PXH<sup>+</sup>19, PDK<sup>+</sup>18, STB<sup>+</sup>18, ST18, WZS<sup>+</sup>19]. **IoT-based** [WZS<sup>+</sup>19]. **IoTranx** [CHJ<sup>+</sup>22]. **Isolation** [LHS<sup>+</sup>21]. **Issue** [AAH<sup>+</sup>19, ACLY21, CH20, HZJ21, JLD20, LP18, SCB<sup>+</sup>20, SD21, WZR<sup>+</sup>19, ZA18a, ZA18b].

**Key** [LNE<sup>+</sup>20, WLA19]. **Knowledge** [HSI<sup>+</sup>20]. **KP** [LYWY19]. **KP-ABE** [LYWY19].

**Large** [BBS21, JRGB<sup>+</sup>18, SDZV19]. **Large-Scale** [SDZV19]. **Laser** [GGB<sup>+</sup>18]. **Last** [ZZZ<sup>+</sup>17b]. **Last-Mile** [ZZZ<sup>+</sup>17b]. **Latency** [MYL<sup>+</sup>20]. **Layer** [ADD<sup>+</sup>20, WLA19]. **LDA** [XCL<sup>+</sup>19]. **Learning** [AGG<sup>+</sup>21, BB21, CLL<sup>+</sup>21, HSL<sup>+</sup>19, JCO21, KMWB19, MN21, MMSM21, RPK<sup>+</sup>21, SBW20, TKP21, XCL<sup>+</sup>19, ZYCL19, ZGAB21, RPK<sup>+</sup>21]. **Learning-Based** [HSL<sup>+</sup>19, RPK<sup>+</sup>21, AGG<sup>+</sup>21]. **Learning-<sup>4</sup>N-Flying** [RPK<sup>+</sup>21]. **Ledger** [RSJ21]. **Level** [TLW<sup>+</sup>19, BAU20, GKEQ21]. **Leveraging** [HHS19]. **Light** [LCK<sup>+</sup>19]. **Light-Based** [LCK<sup>+</sup>19]. **Limb** [BGM<sup>+</sup>18]. **Limits** [Lee17]. **Lines** [LYA20]. **Link** [WD21]. **Load** [BKIS19, GWO<sup>+</sup>20, IIL<sup>+</sup>17, TNY17]. **Localization** [LCK<sup>+</sup>19, MSS18, TKP21, WWL<sup>+</sup>19, WJL<sup>+</sup>20]. **Located** [WLTW22].

**Location** [LCK<sup>+</sup>19]. **Location-Based** [LCK<sup>+</sup>19]. **Lock** [KS22]. **Logic** [BB21, ZJP21]. **Logical** [GKEQ21]. **Long** [WMC18]. **Long-Term** [WMC18]. **Looking** [BGMM19]. **Loop** [PPK18]. **Lord** [CBB22]. **Loss** [HZI<sup>+</sup>17]. **low** [PXH<sup>+</sup>19]. **LSTM** [WZZ<sup>+</sup>20]. **Lustre** [BGGT21].

**Machine** [JCO21, RP21]. **Machine-based** [RP21]. **Maintaining** [CZSL20]. **Makespan** [BVS<sup>+</sup>21]. **Making** [BGGD20, MPA<sup>+</sup>20]. **Malware** [ADD<sup>+</sup>20]. **Manage** [NRB<sup>+</sup>18]. **Management** [CZSL20, JRGB<sup>+</sup>18, KLMS20, KMA<sup>+</sup>20, LCC<sup>+</sup>19, MGL<sup>+</sup>19, STB<sup>+</sup>18, TNY17, WWC22, ZLSZ20]. **Manufacturing** [BVS<sup>+</sup>21]. **Markov** [YHL<sup>+</sup>22]. **MaxSAT** [BH21]. **MC** [BZW<sup>+</sup>20]. **MC-Safe** [BZW<sup>+</sup>20]. **Means** [LHS<sup>+</sup>21]. **Mechanism** [GVM<sup>+</sup>20]. **Mediator** [BTB<sup>+</sup>18]. **Medical** [FGZ<sup>+</sup>20, GGB<sup>+</sup>18, LP18]. **Medium** [MVS<sup>+</sup>20]. **Memory** [BGMM19]. **Message** [RSJ21]. **Meta** [GBH<sup>+</sup>17, ZGAB21]. **Meta-Adaptation** [GBH<sup>+</sup>17]. **Meta-Learning** [ZGAB21]. **Metagames** [BBCV21]. **Meters** [BKIS19]. **Method** [WYW<sup>+</sup>19]. **Methodology** [AAD<sup>+</sup>21, SSV<sup>+</sup>18, XZA<sup>+</sup>19]. **Metrics** [CCTS20]. **Microgrids** [EEC<sup>+</sup>21, HZI<sup>+</sup>17]. **Middleware** [PDK<sup>+</sup>18, ST18, WGL19]. **Mile** [ZZZ<sup>+</sup>17b]. **Minimization** [YS20]. **Minimizing** [HZI<sup>+</sup>17]. **Minimum** [AR22]. **Mining** [FGZ<sup>+</sup>20]. **Mismatches** [NHB<sup>+</sup>18]. **Mission** [BH21, RPK<sup>+</sup>21]. **Mission-Aware** [RPK<sup>+</sup>21]. **Mission-critical** [BH21]. **Mitigation** [KS22, YZF18]. **Mixed** [GP20, HBD<sup>+</sup>20]. **Mixed-criticality** [GP20]. **Mobile** [DAM<sup>+</sup>18, LSN<sup>+</sup>18, LCK<sup>+</sup>19, MYL<sup>+</sup>21, Sta17, SEB21, TKP21, WD21]. **MobileTrust** [HSI<sup>+</sup>20]. **Mobility** [GAT20, JZL<sup>+</sup>17, MHP<sup>+</sup>21]. **Mobility-on-Demand** [MHP<sup>+</sup>21]. **Mode** [BMJ<sup>+</sup>20, HHS19]. **Model** [BCTV19, FBS<sup>+</sup>21, JSY<sup>+</sup>19, ROWA19, ZZZ<sup>+</sup>17a, ZYCL19, ZHZ19]. **Model-Based** [BCTV19]. **Model-driven** [FBS<sup>+</sup>21, JSY<sup>+</sup>19]. **Modeling** [CCTS20, JZL<sup>+</sup>17, LTTY18, Lee17, MPA<sup>+</sup>20, PXH<sup>+</sup>19, RP21, YZF18]. **Modelling** [LJZ18]. **Models** [EB20, FGZ<sup>+</sup>20, KFSL19, YHL<sup>+</sup>22]. **Monitoring** [JCO21, TSC21, ZJP21]. **Motion** [BHX<sup>+</sup>20, YS21]. **Movement** [CCTS20]. **Moving** [ZDY<sup>+</sup>20]. **Multi** [BZW<sup>+</sup>20, BMJ<sup>+</sup>20, CLL<sup>+</sup>21, STB<sup>+</sup>18, TdAGI<sup>+</sup>22, WWW20, XBW<sup>+</sup>19, ZZZ<sup>+</sup>17a, ZHZ19]. **Multi-channel** [BZW<sup>+</sup>20]. **Multi-Factor** [WWW20]. **Multi-Functional** [XBW<sup>+</sup>19]. **Multi-Gateway** [STB<sup>+</sup>18]. **Multi-Hop** [TdAGI<sup>+</sup>22, BMJ<sup>+</sup>20]. **Multi-objective** [CLL<sup>+</sup>21]. **Multi-Source** [ZZZ<sup>+</sup>17a, ZHZ19]. **Multilabel** [ADD<sup>+</sup>20].

**N** [RPK<sup>+</sup>21]. **National** [ZHZ19]. **National-scale** [ZHZ19]. **Nest** [KMM<sup>+</sup>21]. **Net** [LLC<sup>+</sup>19, WZ17]. **Nets** [LJZ18]. **Network** [LRN<sup>+</sup>19, MN21, WZZ<sup>+</sup>20]. **Networking** [LYWY19]. **Networks** [ADD<sup>+</sup>20, APB<sup>+</sup>21, BMJ<sup>+</sup>20, BCTV19, MLW20, RKAG21, SEB21, THR20, TSC21, WD21]. **Neural** [TSC21, WZZ<sup>+</sup>20]. **Neurocognitive** [DAM<sup>+</sup>18]. **Neuroevolutionary** [HSL<sup>+</sup>19]. **Nodes** [SBW20]. **Noise** [TLW<sup>+</sup>19]. **Non** [CGCH18, PXH<sup>+</sup>19]. **Non-Uniform** [CGCH18]. **Non-volatile** [PXH<sup>+</sup>19]. **Novel** [AR22, GVM<sup>+</sup>20].

**objective** [CLL<sup>+</sup>21]. **Obligations** [SBA21]. **Offline** [BB21]. **Offload** [NC21]. **Online** [BKIS19, BB21]. **Operating** [JRGB<sup>+</sup>18]. **Operation** [SSV<sup>+</sup>18]. **Operational** [MVS<sup>+</sup>20]. **Operator** [YHL<sup>+</sup>22]. **Optimal** [NVS<sup>+</sup>21]. **Optimization** [BVS<sup>+</sup>21, MHP<sup>+</sup>21, PXH<sup>+</sup>19]. **Optimize** [YS21]. **Optimizing** [YS20]. **Orchestration**

[PDK<sup>+</sup>18]. **Oriented** [CZV<sup>+</sup>19]. **OS-Aware** [CGCH18]. **Outlier** [JCO21, WJL<sup>+</sup>20]. **Outsourcing** [HZW<sup>+</sup>20].

**P300** [DAM<sup>+</sup>18]. **Pacemaker** [YAR<sup>+</sup>18]. **Pacemakers** [PPK18]. **Packs** [HKS17]. **panel** [FBS<sup>+</sup>21]. **Paradigm** [GKEQ21]. **Parameters** [KFSL19]. **Part** [HZJ21, ZA18b]. **Participatory** [BGGD20]. **Partnership** [PRM<sup>+</sup>20]. **Path** [YWM<sup>+</sup>19]. **Pattern** [LYA20]. **Pattern-based** [LYA20]. **Pedestrians** [WWC22]. **People** [APB<sup>+</sup>21]. **Per-panel** [FBS<sup>+</sup>21]. **Perception** [AGG<sup>+</sup>21]. **Personalised** [WTZ<sup>+</sup>19]. **Pervasive** [LYWY19]. **Petri** [LLC<sup>+</sup>19, LJZ18]. **Physical** [ADD<sup>+</sup>20, AAH<sup>+</sup>19, BFV21, BBCV20, BLD<sup>+</sup>20, BTF<sup>+</sup>21, ByKLS19, CH20, CCTS20, FGZ<sup>+</sup>20, GBH<sup>+</sup>17, HZJ21, HHS19, JAR<sup>+</sup>20, JRGB<sup>+</sup>18, KOTD21, Lee17, LP18, LJP20, LCC<sup>+</sup>19, LCK<sup>+</sup>19, Lu21, MGL<sup>+</sup>19, MYL<sup>+</sup>20, NHB<sup>+</sup>18, PIW<sup>+</sup>17, ROWA19, SSV<sup>+</sup>18, SDZV19, Sta17, WLA19, WMC18, WHS18, WZS<sup>+</sup>19, WYW<sup>+</sup>19, WWL<sup>+</sup>19, WGL19, XCL<sup>+</sup>19, XBW<sup>+</sup>19, XZA<sup>+</sup>19, YZF18, YWZ<sup>+</sup>19, ZYCL19, ZA18a, ZA18b, ZMK<sup>+</sup>17, ZGAB21, ACLY21, BH21, CZSL20, EB20, GP20, JLD20, KSK20, LNE<sup>+</sup>20, LYA20, PRM<sup>+</sup>20, RP21, WGH<sup>+</sup>17, WZR<sup>+</sup>19, YFS<sup>+</sup>19, ZJP21]. **Pipelined** [MVS<sup>+</sup>19]. **Placement** [NVS<sup>+</sup>21]. **Planning** [YWM<sup>+</sup>19]. **Platform** [BGM<sup>+</sup>18, EEC<sup>+</sup>21, KFSL19]. **Platform-Independent** [KFSL19]. **Platforms** [KMM<sup>+</sup>21]. **Platoon** [LNE<sup>+</sup>20, VMDJ20]. **Platoon-based** [LNE<sup>+</sup>20]. **Policies** [CBB22]. **Power** [BKIS19, CZSL20, LTTY18, PXH<sup>+</sup>19, RTY<sup>+</sup>19, WLTW22, WKS18, ZDY<sup>+</sup>20]. **powered** [CZSL20, PXH<sup>+</sup>19]. **Predict** [MN21]. **Predictive** [VMDJ20]. **Preface** [ZA18a, ZA18b]. **Presence** [PIW<sup>+</sup>17]. **Preserving** [PSW<sup>+</sup>21, SEB21, APB<sup>+</sup>21, YWZ<sup>+</sup>19]. **Prevent** [GVM<sup>+</sup>20]. **Priority** [MN21]. **Priority-Based** [MN21]. **Privacy** [AY17, ACLY21, APB<sup>+</sup>21, DRC<sup>+</sup>18, PSW<sup>+</sup>21, YWZ<sup>+</sup>19]. **Privacy-Preserving** [PSW<sup>+</sup>21, APB<sup>+</sup>21, YWZ<sup>+</sup>19]. **Private** [EEC<sup>+</sup>21, NC21]. **Probability** [CZSL20]. **Procedures** [BCTV19]. **Process** [GWO<sup>+</sup>20]. **Processing** [KRG17, WMC18, WGL19, XBW<sup>+</sup>19]. **Product** [LYA20]. **Progress** [JHZ<sup>+</sup>21]. **Protocol** [AR19, HBD<sup>+</sup>20, PSW<sup>+</sup>21, WWW20]. **Proximity** [YWM<sup>+</sup>19]. **Pruning** [MYL<sup>+</sup>21]. **Public** [CLL<sup>+</sup>21, NC21]. **Publish** [BGGD20, ST18]. **Publish/Subscribe** [ST18].

**QoS** [KRG17]. **QoS-Driven** [KRG17]. **Quadrotor** [MMSM21]. **Quality** [RP21, WD21, BGGD20]. **Quality-aware** [BGGD20]. **Quality-of-Information-aware** [RP21]. **Quantifying** [DRC<sup>+</sup>18]. **Quantitative** [BCTV19, PPK18, ZJP21]. **Queries** [TBKJ19]. **Queue** [THR20]. **QuickLoc** [TKP21].

**Radio** [GRA<sup>+</sup>21]. **Railway** [CCTS20, LTTY18, LTT<sup>+</sup>20]. **Random** [YFS<sup>+</sup>19]. **RAP** [TSC21]. **Rate** [PPK18]. **Rate-Adaptive** [PPK18]. **RBM** [WZZ<sup>+</sup>20]. **RBM-LSTM** [WZZ<sup>+</sup>20]. **Real** [AAH<sup>+</sup>19, BZW<sup>+</sup>20, BXL<sup>+</sup>18, GKEQ21, HSL<sup>+</sup>19, LRN<sup>+</sup>19, WGL19, WWW20, WLTW22, ZHZ19, ZMK<sup>+</sup>17]. **Real-Time** [AAH<sup>+</sup>19, BXL<sup>+</sup>18, HSL<sup>+</sup>19, LRN<sup>+</sup>19, WGL19, WWW20, WLTW22, ZMK<sup>+</sup>17, BZW<sup>+</sup>20, GKEQ21]. **Realization** [MVS<sup>+</sup>20, WZ17]. **Reasoning** [WJL<sup>+</sup>20]. **Reasoning-based** [WJL<sup>+</sup>20]. **Reconfiguration** [HKS17]. **Reduction** [XCL<sup>+</sup>19]. **regulating** [AK20]. **Rehabilitation** [BGM<sup>+</sup>18]. **Reinforcement** [CLL<sup>+</sup>21, KMWB19, MMSM21]. **Relay**

[LLZ<sup>+</sup>21]. **Relevance** [ADD<sup>+</sup>20]. **Reliability** [LLC<sup>+</sup>19, PM19]. **Reliable** [MYL<sup>+</sup>20]. **Remain** [PMAM21]. **Renewable** [HZI<sup>+</sup>17]. **Repair** [BCTV19]. **Replay** [PMAM21]. **Requirements** [SDZV19]. **Research** [JHZ<sup>+</sup>21, Sta17]. **Residential** [FBS<sup>+</sup>21]. **Resilient** [AK20, PDK<sup>+</sup>18, RTY<sup>+</sup>19, YZF18]. **Resource** [LJP20, TSC21, XZA<sup>+</sup>19]. **Resource-Constrained** [LJP20, TSC21]. **Resource-Cost-Aware** [XZA<sup>+</sup>19]. **Responsive** [MMSM21]. **Restart** [JAR<sup>+</sup>20]. **Reverse** [BGGT21]. **Review** [CBB22]. **RIDS** [GRA<sup>+</sup>21]. **Ring** [CBB22, PSW<sup>+</sup>21]. **Ring-Based** [PSW<sup>+</sup>21]. **Road** [AR19, CBB22, YS20]. **Roadrunner** [WWC22]. **Robot** [PRM<sup>+</sup>20, YWM<sup>+</sup>19]. **Robot/Smart** [PRM<sup>+</sup>20]. **Robotic** [HSL<sup>+</sup>19]. **Robust** [BBCV21, MHP<sup>+</sup>21, WHS18, ZJP21]. **Rooms** [JRGB<sup>+</sup>18, WLTW22]. **Routing** [GAT20]. **RSimplex** [WHS18]. **Runtime** [MVS<sup>+</sup>20, SBW20].

**Safe** [EEC<sup>+</sup>21, BZW<sup>+</sup>20]. **Safer** [CHJ<sup>+</sup>22]. **Safety** [AY17, BZW<sup>+</sup>20, BHX<sup>+</sup>20, SCB<sup>+</sup>20, TNY17, XBW<sup>+</sup>19, XZA<sup>+</sup>19]. **SafeWatch** [BHX<sup>+</sup>20]. **Sampling** [CGCH18, WKS18]. **Sampling-Based** [WKS18]. **Scalable** [SDZV19]. **Scale** [SDZV19, ZHZ19]. **Scales** [BBS21]. **Schedules** [IKG<sup>+</sup>19]. **Scheduling** [GS18]. **Scheme** [HZW<sup>+</sup>20, RPK<sup>+</sup>21]. **Scientific** [Lu21]. **Secrecy** [SEB21, WWW20]. **Secret** [LNE<sup>+</sup>20]. **Secure** [Asp20, HSI<sup>+</sup>20, LLZ<sup>+</sup>21, RSJ21, WJL<sup>+</sup>20]. **Securing** [LYWY19, WLA19]. **Security** [AY17, ACLY21, BBCV20, BTB<sup>+</sup>18, KMM<sup>+</sup>21, LJP20, PIW<sup>+</sup>17, PYD<sup>+</sup>20, SCB<sup>+</sup>20, VBV<sup>+</sup>19, WKS18, WTZ<sup>+</sup>19]. **Security-Centric** [WTZ<sup>+</sup>19]. **Self** [BLD<sup>+</sup>20, CZSL20, EB20, JLD20, MLW20, PXH<sup>+</sup>19, ST18]. **Self-Aware** [JLD20, BLD<sup>+</sup>20, CZSL20, EB20].

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