

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

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

07 April 2020
Version 1.01

Title word cross-reference

ABE [LYWY19]. **Access** [GVM⁺20, WWW20]. **Accounting** [PM19]. **Accuracy** [WGH⁺17]. **across** [GS18]. **Action** [NRB⁺18]. **Action-Based** [NRB⁺18]. **Activities** [PRM⁺20]. **Adaptation** [GBH⁺17]. **Adaptive** [PPK18, XBW⁺19, ZMK⁺17]. **Additive** [MVS⁺19]. **Adversarial** [CCTS20]. **against** [LTTY18, ZDY⁺20]. **Aggregation** [YWZ⁺19]. **Agreement** [LNE⁺20]. **Air** [THR20]. **AirTight** [HBD⁺20]. **Alerts** [BGGD20]. **Algorithm** [WKS18]. **Algorithms** [KRG17]. **Analysis** [CZV⁺19, JZL⁺17, LLC⁺19, LRN⁺19, THR20, WKS18, ZLSZ20]. **Analytic** [WZS⁺19]. **Analytics** [GS18, WZR⁺19]. **Android** [WTZ⁺19]. **Anomaly** [LCK⁺19]. **Anonymous** [TBKJ19]. **Applications** [ByKLS19, ST18, WWL⁺19]. **Approach** [CZV⁺19, KLMS20, LLC⁺19]. **Apps** [WTZ⁺19]. **Architecture** [WHS18]. **Aspects** [AY17, AAH⁺19]. **Assignment** [GP20]. **Assumptions** [FGZ⁺20]. **Assurance** [TNY17]. **Attack** [ADD⁺20, YZF18]. **Attacks** [LTTY18, LLC⁺19, YZF18, ZDY⁺20]. **Attitude** [KMWB19]. **Attribution** [ADD⁺20]. **Authentication** [GVM⁺20, WWW20]. **Automated** [AR19]. **Automatic** [LCK⁺19, WTZ⁺19]. **Automation** [BXL⁺18]. **Automotive** [CGCH18, WLA19, XBW⁺19, XZA⁺19]. **Autonomous** [KLMS20, KMS20].

Avoidance [YS20]. **Aware** [CGCH18, LCC⁺19, XZA⁺19, YWM⁺19, BGGD20, KLMS20, WZR⁺19, XBW⁺19].

Based [BCTV19, DAM⁺18, HSL⁺19, JZL⁺17, LYWY19, LCK⁺19, LRN⁺19, NRB⁺18, STB⁺18, WKS18, XCL⁺19, BGGD20, GP20, KSK20, LNE⁺20, MVS⁺19, WZS⁺19, YFS⁺19]. **Battery** [HKS17, HMWZ18]. **Battery-Free** [HMWZ18]. **Bayesian** [GWO⁺20]. **Behavior** [LCC⁺19, XCL⁺19]. **Behavioral** [BAU20]. **between** [HMWZ18]. **Big** [ZYCL19]. **Black** [TLW⁺19]. **Bound** [MYL⁺20]. **Box** [TLW⁺19]. **Building** [BKIS19]. **BuildingRules** [NRB⁺18]. **Buildings** [NRB⁺18].

Calibration [ZHZ19]. **Capacity** [HKS17]. **Cardiac** [YAR⁺18]. **Carriers** [FGZ⁺20]. **Case** [BAU20, GGB⁺18, HKS17]. **Catering** [WTZ⁺19]. **Centric** [WTZ⁺19]. **Challenges** [VBV⁺19]. **Changes** [BMJ⁺20]. **CHARIOT** [PDK⁺18]. **CirclePIN** [GVM⁺20]. **Cities** [MPA⁺20]. **Civilian** [AY17]. **Classification** [CCTS20]. **Clock** [RTY⁺19]. **Close** [YWM⁺19]. **Closed** [PPK18]. **Closed-Loop** [PPK18]. **Cloud** [GS18]. **Clustering** [ADD⁺20]. **Code** [KFSL19]. **Collaborative** [BTB⁺18, TNY17]. **Combined** [GWO⁺20]. **Combining** [Asp20]. **Commercial** [NRB⁺18]. **Commodity** [XCL⁺19]. **Communication** [LYWY19, MYL⁺20, WLA19, ZMK⁺17]. **Complex** [NRB⁺18]. **Component** [LSN⁺18]. **Compression** [HHS19]. **Compromised** [BAU20]. **Computation** [HSL⁺19, XZA⁺19, ZYCL19]. **Computing** [YWZ⁺19]. **Concerns** [WTZ⁺19]. **Conduction** [YAR⁺18]. **Confidence** [BXL⁺18]. **Conformance** [ROWA19]. **Congestion** [YS20]. **Connected** [KLMS20, KMS20]. **Constrained** [PM19].

Control [BMJ⁺20, KMWB19, MGL⁺19, TLW⁺19, WHS18]. **Controller** [CGCH18, MVS⁺19]. **Cooperation** [Asp20]. **Coordination** [VMDJ20]. **Cost** [XZA⁺19]. **Countermeasures** [LTT⁺20]. **CPS** [BAU20, BGGD20, GGB⁺18, HBD⁺20, JSY⁺19, TLW⁺19]. **Critical** [LSN⁺18, LJZ18]. **Criticality** [HBD⁺20, GP20]. **Cross** [TLW⁺19]. **Cross-Domain** [TLW⁺19]. **Crossroads** [KLMS20]. **Crowdsensing** [LSN⁺18, YFS⁺19]. **Crowdsensing-based** [YFS⁺19]. **CSIP** [AR19]. **Cyber** [ADD⁺20, AAH⁺19, ByKLS19, CH20, FGZ⁺20, GP20, GBH⁺17, HHS19, JRGB⁺18, KSK20, Lee17, LP18, LCC⁺19, LNE⁺20, LCK⁺19, MGL⁺19, MYL⁺20, NHB⁺18, PIW⁺17, PRM⁺20, ROWA19, SSV⁺18, SDZV19, Sta17, THR20, WLA19, WGH⁺17, WMC18, WHS18, WZS⁺19, WYW⁺19, WWL⁺19, WGL19, WZR⁺19, XCL⁺19, XBW⁺19, XZA⁺19, YFS⁺19, YZF18, YWZ⁺19, ZYCL19, ZA18a, ZA18b, ZMK⁺17]. **Cyber-Physical** [ADD⁺20, AAH⁺19, ByKLS19, CH20, FGZ⁺20, GBH⁺17, HHS19, JRGB⁺18, Lee17, LP18, LCC⁺19, LCK⁺19, MGL⁺19, MYL⁺20, NHB⁺18, PIW⁺17, ROWA19, SSV⁺18, SDZV19, WLA19, WMC18, WZS⁺19, WWL⁺19, WGL19, XCL⁺19, XBW⁺19, XZA⁺19, YZF18, YWZ⁺19, ZYCL19, ZA18a, ZA18b, ZMK⁺17, GP20, KSK20, LNE⁺20, PRM⁺20, WGH⁺17, WZR⁺19, YFS⁺19]. **Cyber-Physical-Social** [WYW⁺19].

Daily [PRM⁺20]. **Data** [GWO⁺20, HHS19, KR17, LTTY18, LYWY19, LTT⁺20, MPA⁺20, WMC18, WWW20, WZR⁺19, YZF18, YWZ⁺19, ZZZ⁺17a, ZZZ⁺17b, ZYCL19, ZHZ19, ZDY⁺20]. **Decision** [BGGD20, MPA⁺20]. **Decomposition** [HHS19, WYW⁺19]. **Deep** [ZYCL19]. **Defense** [KSK20, ZDY⁺20]. **Delay** [ZLSZ20]. **Delay-Tolerant** [ZLSZ20].

Delivery [HKS17]. **Dense** [LRN⁺19]. **Dependability** [ByKLS19, WWL⁺19]. **Dependable** [JSY⁺19, LCK⁺19, MGL⁺19, WZS⁺19, ZYCL19]. **Descriptions** [WTZ⁺19]. **Design** [CGCH18, FGZ⁺20, HSL⁺19, LNE⁺20, WZ17, XZA⁺19, ZLSZ20]. **Designing** [MVS⁺19]. **Detecting** [LTTY18]. **Detection** [Asp20, BAU20, DAM⁺18, LCK⁺19]. **Determining** [KFSL19]. **Development** [JSY⁺19]. **Device** [STB⁺18]. **Devices** [BAU20, GVM⁺20, HMWZ18, PXH⁺19, TBKJ19]. **Dimension** [XCL⁺19]. **Directions** [Sta17]. **Distributed** [GS18, IIL⁺17, STB⁺18, TBKJ19, WYW⁺19]. **Distribution** [BCTV19]. **Domain** [TLW⁺19]. **Driven** [BTB⁺18, KRG17, PDK⁺18, JSY⁺19]. **Driving** [BHX⁺20, YS20]. **Drone** [YFS⁺19]. **Drones** [AY17]. **Drop** [BGGD20]. **Dumb** [IKG⁺19]. **Duty** [MVS⁺20, VMDJ20]. **Dynamic** [GAT20, KSK20, THR20, VMDJ20, WKS18].

ECG [HHS19]. **Edge** [ADD⁺20, GS18, PXH⁺19, STB⁺18]. **Editorial** [LP18]. **Effective** [ZA18a, ZA18b]. **Efficient** [HHS19, SSV⁺18, WWW20, ZA18a, ZA18b]. **Electric** [KRG17]. **Electricity** [GWO⁺20]. **Emergence** [CZV⁺19]. **Emergence-Oriented** [CZV⁺19]. **Empirical** [HHS19]. **Emulation** [YAR⁺18]. **Enabling** [IIL⁺17]. **End** [XZA⁺19]. **End-to-End** [XZA⁺19]. **Energy** [HZI⁺17, HHS19, IIL⁺17, LCC⁺19, SSV⁺18]. **Energy-Efficient** [HHS19, SSV⁺18]. **Enhance** [WGH⁺17]. **Ensuring** [BXL⁺18]. **Environments** [KMS20]. **Estimation** [YZF18]. **Evaluation** [BCTV19, DAM⁺18, TLW⁺19]. **Event** [BGGD20, GS18, JZL⁺17, WMC18, WGL19]. **Event-Based** [JZL⁺17]. **Experimental** [SSV⁺18]. **Exploiting** [WGH⁺17].

Extensive [LRN⁺19].

Factor [WWW20]. **Failures** [WHS18]. **False** [LTTY18, ZDY⁺20]. **Fast** [BMJ⁺20]. **Fault** [TBKJ19, XZA⁺19]. **Fault-Tolerant** [TBKJ19, XZA⁺19]. **Faults** [PIW⁺17]. **Feature** [BTB⁺18, ZYCL19]. **Feature-Driven** [BTB⁺18]. **Feedback** [BMJ⁺20]. **Feet** [HMWZ18]. **Finite** [YFS⁺19]. **Flows** [THR20]. **Flying** [YWM⁺19]. **Forecasting** [GWO⁺20]. **Formal** [GGB⁺18]. **Forward** [WWW20]. **Framework** [BAU20, GAT20, HSL⁺19, VMDJ20, WZS⁺19]. **Free** [HMWZ18]. **Functional** [XBW⁺19, XZA⁺19]. **Fundamental** [Lee17]. **Fuzzy** [ADD⁺20].

Gas [BCTV19]. **Gateway** [STB⁺18]. **Gaussian** [GWO⁺20]. **Generation** [KFSL19, KMS20, MYL⁺20, WLA19, WTZ⁺19]. **Goal** [PDK⁺18]. **Goal-Driven** [PDK⁺18]. **Grid** [BAU20, RTY⁺19, WZS⁺19, ZDY⁺20]. **Grids** [KRG17, LLC⁺19, TNY17]. **Groups** [Asp20]. **Guarantees** [BMJ⁺20]. **Guest** [LP18].

Hand [BHX⁺20]. **Harvesting** [PXH⁺19]. **Health** [DAM⁺18]. **Healthcare** [Sta17]. **Heavy** [MVS⁺20, VMDJ20]. **Heavy-Duty** [VMDJ20]. **Heterogeneous** [ZZZ⁺17a]. **Hiddenness** [ZDY⁺20]. **Holistic** [MGL⁺19]. **Home** [BXL⁺18, LCC⁺19, PRM⁺20]. **Hood** [BGMM19]. **hop** [BMJ⁺20]. **Human** [WGH⁺17, WZR⁺19, XBW⁺19]. **Human-Interaction-aware** [XBW⁺19, WZR⁺19]. **Humans** [YWM⁺19].

II [ZA18b]. **Image** [MVS⁺19]. **Image-based** [MVS⁺19]. **Impact** [THR20, TLW⁺19]. **Impairment** [DAM⁺18]. **Implementation** [JSY⁺19, LNE⁺20]. **Imprecise** [HSL⁺19].

Improve [JRGB⁺18, WWL⁺19]. **Improved** [XCL⁺19]. **Improving** [BHX⁺20, HKS17, VBV⁺19]. **Incentivizing** [IIL⁺17]. **Incision** [GGB⁺18]. **Incomplete** [ZHZ19]. **Independent** [KFSL19]. **Indoor** [LCK⁺19]. **Inferring** [IKG⁺19]. **Infrastructure** [ZZZ⁺17a, ZZZ⁺17b]. **Injection** [LTTY18, YZF18, ZDY⁺20]. **Input** [HHS19]. **Integration** [HSI⁺20, ZZZ⁺17a]. **Integrity** [LTT⁺20]. **Intelligent** [ZLSZ20]. **Interaction** [XBW⁺19, WZR⁺19]. **Interactions** [WGH⁺17]. **Internet** [BTB⁺18, DRC⁺18, LSN⁺18, WZ17, ZA18a, ZA18b]. **Intersection** [KLMS20, ZLSZ20]. **Intersections** [AR19]. **Introduction** [AAH⁺19, CH20, Kuo17, WZR⁺19]. **Introspection** [BGMM19]. **IoT** [BXL⁺18, GVM⁺20, PXH⁺19, PDK⁺18, STB⁺18, ST18, WZS⁺19]. **IoT-based** [WZS⁺19]. **Issue** [AAH⁺19, CH20, LP18, WZR⁺19, ZA18a, ZA18b].

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

Large [JRGB⁺18, SDZV19]. **Large-Scale** [SDZV19]. **Laser** [GGB⁺18]. **Last** [ZZZ⁺17b]. **Last-Mile** [ZZZ⁺17b]. **Latency** [MYL⁺20]. **Layer** [ADD⁺20, WLA19]. **LDA** [XCL⁺19]. **Learning** [HSL⁺19, KMWB19, XCL⁺19, ZYCL19]. **Learning-Based** [HSL⁺19]. **Level** [TLW⁺19, BAU20]. **Leveraging** [HHS19]. **Light** [LCK⁺19]. **Light-Based** [LCK⁺19]. **Limb** [BGM⁺18]. **Limits** [Lee17]. **Load** [BKIS19, GWO⁺20, IIL⁺17, TNY17]. **Localization** [LCK⁺19, MSS18, WWL⁺19]. **Location** [LCK⁺19]. **Location-Based** [LCK⁺19]. **Long** [WMC18]. **Long-Term** [WMC18]. **Looking** [BGMM19]. **Loop** [PPK18]. **Loss** [HZI⁺17]. **low** [PXH⁺19].

Making [BGGD20, MPA⁺20]. **Malware** [ADD⁺20]. **Manage** [NRB⁺18]. **Management** [JRGB⁺18, KLMS20, LCC⁺19, MGL⁺19, STB⁺18, TNY17, ZLSZ20]. **Mechanism** [GVM⁺20]. **Mediator** [BTB⁺18]. **Medical** [FGZ⁺20, GGB⁺18, LP18]. **Medium** [MVS⁺20]. **Memory** [BGMM19]. **Meta** [GBH⁺17]. **Meta-Adaptation** [GBH⁺17]. **Meters** [BKIS19]. **Method** [WYW⁺19]. **Methodology** [SSV⁺18, XZA⁺19]. **Metrics** [CCTS20]. **Microgrids** [HZI⁺17]. **Middleware** [PDK⁺18, ST18, WGL19]. **Mile** [ZZZ⁺17b]. **Minimization** [YS20]. **Minimizing** [HZI⁺17]. **Mining** [FGZ⁺20]. **Mismatches** [NHB⁺18]. **Mitigation** [YZF18]. **Mixed** [GP20, HBD⁺20]. **Mixed-criticality** [GP20]. **Mobile** [DAM⁺18, LSN⁺18, LCK⁺19, Sta17]. **MobileTrust** [HSI⁺20]. **Mobility** [GAT20, JZL⁺17]. **Mode** [BMJ⁺20, HHS19]. **Model** [BCTV19, JSY⁺19, ROWA19, ZZZ⁺17a, ZYCL19, ZHZ19]. **Model-Based** [BCTV19]. **Model-driven** [JSY⁺19]. **Modeling** [CCTS20, JZL⁺17, LTTY18, Lee17, MPA⁺20, PXH⁺19, YZF18]. **Modelling** [LJZ18]. **Models** [FGZ⁺20, KFSL19]. **Motion** [BHX⁺20]. **Movement** [CCTS20]. **Moving** [ZDY⁺20]. **Multi** [BMJ⁺20, STB⁺18, WWW20, XBW⁺19, ZZZ⁺17a, ZHZ19]. **Multi-Factor** [WWW20]. **Multi-Functional** [XBW⁺19]. **Multi-Gateway** [STB⁺18]. **Multi-hop** [BMJ⁺20]. **Multi-Source** [ZZZ⁺17a, ZHZ19]. **Multilabel** [ADD⁺20].

National [ZHZ19]. **National-scale** [ZHZ19]. **Net** [LLC⁺19, WZ17]. **Nets** [LJZ18]. **Network** [LRN⁺19]. **Networking** [LYWY19]. **Networks** [ADD⁺20, BMJ⁺20, BCTV19, THR20]. **Neurocognitive** [DAM⁺18]. **Neuroevolutionary** [HSL⁺19]. **Noise** [TLW⁺19]. **Non** [CGCH18, PXH⁺19].

Non-Uniform [CGCH18]. **Non-volatile** [PXH⁺19]. **Novel** [GVM⁺20].

Online [BKIS19]. **Operating** [JRGB⁺18]. **Operation** [SSV⁺18]. **Operational** [MVS⁺20]. **Optimization** [PXH⁺19]. **Optimizing** [YS20]. **Orchestration** [PDK⁺18]. **Oriented** [CZV⁺19]. **OS-Aware** [CGCH18].

P300 [DAM⁺18]. **Pacemaker** [YAR⁺18]. **Pacemakers** [PPK18]. **Packs** [HKS17]. **Parameters** [KFSL19]. **Part** [ZA18b]. **Participatory** [BGGD20]. **Partnership** [PRM⁺20]. **Path** [YWM⁺19]. **Personalised** [WTZ⁺19]. **Pervasive** [LYWY19]. **Petri** [LLC⁺19, LJZ18]. **Physical** [ADD⁺20, AAH⁺19, ByKLS19, CH20, CCTS20, FGZ⁺20, GBH⁺17, HHS19, JRGB⁺18, Lee17, LP18, LCC⁺19, LCK⁺19, MGL⁺19, MYL⁺20, NHB⁺18, PIW⁺17, ROWA19, SSV⁺18, SDZV19, Sta17, WLA19, WMC18, WHS18, WZS⁺19, WYW⁺19, WWL⁺19, WGL19, XCL⁺19, XBW⁺19, XZA⁺19, YZF18, YWZ⁺19, ZYCL19, ZA18a, ZA18b, ZMK⁺17, GP20, KSK20, LNE⁺20, PRM⁺20, WGH⁺17, WZR⁺19, YFS⁺19]. **Pipelined** [MVS⁺19]. **Planning** [YWM⁺19]. **Platform** [BGM⁺18, KFSL19]. **Platform-Independent** [KFSL19]. **Platoon** [LNE⁺20, VMDJ20]. **Platoon-based** [LNE⁺20]. **Power** [BKIS19, LTTY18, PXH⁺19, RTY⁺19, WKS18, ZDY⁺20]. **powered** [PXH⁺19]. **Predictive** [VMDJ20]. **Preface** [ZA18a, ZA18b]. **Presence** [PIW⁺17]. **preserving** [YWZ⁺19]. **Prevent** [GVM⁺20]. **Privacy** [AY17, DRC⁺18, YWZ⁺19]. **Privacy-preserving** [YWZ⁺19]. **Procedures** [BCTV19]. **Process** [GWO⁺20]. **Processing** [KRG17, WMC18, WGL19, XBW⁺19]. **Protocol** [AR19, HBD⁺20, WWW20].

Proximity [YWM⁺19]. **Publish** [BGGD20, ST18]. **Publish/Subscribe** [ST18].

QoS [KRG17]. **QoS-Driven** [KRG17]. **Quality** [BGGD20]. **Quality-aware** [BGGD20]. **Quantifying** [DRC⁺18]. **Quantitative** [BCTV19, PPK18]. **Queries** [TBKJ19]. **Queue** [THR20].

Railway [CCTS20, LTTY18, LTT⁺20]. **Random** [YFS⁺19]. **Rate** [PPK18]. **Rate-Adaptive** [PPK18]. **Real** [AAH⁺19, BXL⁺18, HSL⁺19, LRN⁺19, WGL19, WWW20, ZHZ19, ZMK⁺17]. **Real-Time** [AAH⁺19, BXL⁺18, HSL⁺19, LRN⁺19, WGL19, WWW20, ZMK⁺17]. **Realization** [MVS⁺20, WZ17]. **Reconfiguration** [HKS17]. **Reduction** [XCL⁺19]. **Rehabilitation** [BGM⁺18]. **Reinforcement** [KMWB19]. **Relevance** [ADD⁺20]. **Reliability** [LLC⁺19, PM19]. **Reliable** [MYL⁺20]. **Renewable** [HZI⁺17]. **Repair** [BCTV19]. **Requirements** [SDZV19]. **Research** [Sta17]. **Resilient** [PDK⁺18, RTY⁺19, YZF18]. **Resource** [XZA⁺19]. **Resource-Cost-Aware** [XZA⁺19]. **Road** [AR19, YS20]. **Robot** [PRM⁺20, YWM⁺19]. **Robot/Smart** [PRM⁺20]. **Robotic** [HSL⁺19]. **Robust** [WHS18]. **Rooms** [JRGB⁺18]. **Routing** [GAT20]. **RSimplex** [WHS18]. **Runtime** [MVS⁺20].

Safety [AY17, BHX⁺20, TNY17, XBW⁺19, XZA⁺19]. **SafeWatch** [BHX⁺20]. **Sampling** [CGCH18, WKS18]. **Sampling-Based** [WKS18]. **Scalable** [SDZV19]. **Scale** [SDZV19, ZHZ19]. **Schedules** [IKG⁺19]. **Scheduling** [GS18]. **Secrecy** [WWW20]. **Secret** [LNE⁺20]. **Secure** [Asp20, HSI⁺20]. **Securing** [LYWY19, WLA19]. **Security** [AY17, BTB⁺18, PIW⁺17, VBV⁺19,

WKS18, WTZ⁺19]. **Security-Centric** [WTZ⁺19]. **Self** [PXH⁺19, ST18]. **Self-powered** [PXH⁺19]. **Self-Stabilizing** [ST18]. **Sensing** [BGGD20, MVS⁺19, WGH⁺17]. **Sensing-based** [BGGD20]. **Sensor** [LRN⁺19, PIW⁺17]. **Series** [WZS⁺19]. **Service** [LCK⁺19, ZZZ⁺17b]. **Services** [GAT20, WYW⁺19]. **Set** [YFS⁺19]. **Sets** [MPA⁺20]. **Shaping** [LRN⁺19]. **Shared** [GAT20]. **Sharing** [HZI⁺17]. **Shifts** [IIL⁺17]. **Short** [GWO⁺20]. **Short-term** [GWO⁺20]. **Signal** [HHS19]. **Simulation** [JSY⁺19]. **Simultaneous** [MSS18]. **SLATS** [MSS18]. **Small** [IIL⁺17]. **Smart** [BAU20, HZI⁺17, IKG⁺19, KRG17, LLC⁺19, MPA⁺20, PRM⁺20, TNY17, TBKJ19, WZS⁺19]. **Smart-Grid** [BAU20]. **Smartwatches** [GVM⁺20]. **Social** [LYWY19, WYW⁺19, YWZ⁺19]. **Socially** [YWM⁺19]. **Soundness** [LJZ18]. **Source** [ZZZ⁺17a, ZHZ19]. **Spatiotemporal** [GWO⁺20]. **Special** [AAH⁺19, CH20, LP18, WZR⁺19, ZA18a, ZA18b]. **Specification** [KMS20, NHB⁺18]. **Speed** [YS20]. **Spot** [LTT⁺20]. **Stability** [BMJ⁺20]. **Stabilizing** [ST18]. **Stadium** [SSV⁺18]. **State** [MVS⁺20]. **Stateflow** [JSY⁺19]. **Station** [CCTS20]. **Stochastic** [LLC⁺19, YZF18]. **Storage** [IIL⁺17]. **Strategies** [GBH⁺17]. **Streams** [WMC18]. **Strengthening** [GBH⁺17]. **Structured** [WGH⁺17]. **Study** [GGB⁺18, HKS17]. **Subscribe** [ST18]. **Suite** [JRGB⁺18]. **Support** [PRM⁺20]. **Supporting** [BTB⁺18]. **Surveillance** [YFS⁺19]. **Survey** [AY17, LSN⁺18, MPA⁺20, ROWA19]. **Sustainable** [LCC⁺19]. **Switching** [YZF18]. **Synchronization** [MSS18, RTY⁺19]. **Synchronous** [AR19]. **Synergy** [HMWZ18]. **Syntactic** [FGZ⁺20]. **Synthesis** [BTB⁺18]. **System** [ADD⁺20, BAU20, BHX⁺20, DAM⁺18, FGZ⁺20, JRGB⁺18, LCC⁺19, NRB⁺18, SSV⁺18, YFS⁺19, YAR⁺18]. **System-level** [BAU20]. **Systematically** [BXL⁺18]. **Systems** [AAH⁺19, ByKLS19, BXL⁺18, CZV⁺19, CH20, GP20, GBH⁺17, HHS19, KSK20, LTTY18, Lee17, LP18, LNE⁺20, LTT⁺20, LJZ18, LCK⁺19, MGL⁺19, MYL⁺20, PIW⁺17, PDK⁺18, ROWA19, SDZV19, Sta17, WLA19, WGH⁺17, WMC18, WZS⁺19, WZR⁺19, WKS18, XCL⁺19, XBW⁺19, XZA⁺19, YZF18, YWZ⁺19, ZYCL19, ZA18a, ZA18b, ZMK⁺17]. **Systems-of-Systems** [CZV⁺19]. **Target** [ZDY⁺20]. **Task** [HSL⁺19]. **Techniques** [LSN⁺18]. **Tele** [BGM⁺18]. **Tele-Rehabilitation** [BGM⁺18]. **Tensor** [WYW⁺19]. **Tensor-Train** [WYW⁺19]. **Term** [WMC18, GWO⁺20]. **Test** [KMS20]. **Theory** [YFS⁺19]. **Thermostats** [IKG⁺19]. **Things** [WZ17, BTB⁺18, DRC⁺18, LSN⁺18, WZ17, ZA18a, ZA18b]. **Threat** [CZV⁺19, THR20]. **Threats** [LTT⁺20]. **Time** [AAH⁺19, BXL⁺18, HSL⁺19, KLMS20, LJZ18, LRN⁺19, MSS18, PM19, WZS⁺19, WGL19, WWW20, YS20, ZHZ19, ZMK⁺17]. **Time-aware** [KLMS20]. **Time-Constrained** [PM19]. **Time-Critical** [LJZ18]. **Time-Soundness** [LJZ18]. **Timed** [KFSL19]. **Timing** [KFSL19]. **Tolerant** [TBKJ19, XZA⁺19, ZLSZ20]. **TOP** [YS20]. **Topology** [LLC⁺19]. **TORUS** [SDZV19]. **Traceability** [SDZV19]. **Tracking** [BKIS19, BHX⁺20, BGM⁺18]. **Traction** [LTTY18]. **Trade** [STB⁺18]. **Trade-Based** [STB⁺18]. **Tradeoff** [DRC⁺18]. **Tradeoffs** [HSL⁺19]. **Traffic** [BGGD20, GP20, LRN⁺19, THR20, ZHZ19]. **Traffic-type** [GP20]. **Train** [WYW⁺19]. **Trajectories** [YS20]. **Transceiver** [BGMM19]. **Transient** [PIW⁺17]. **Transit** [ZZZ⁺17b]. **Transitions** [MVS⁺20]. **Transmission** [HZI⁺17, LTT⁺20].

Transportation [CH20, GWO⁺20, KSK20].
Travel [YS20]. **Trigger** [NRB⁺18].
TruckSTM [MVS⁺20]. **Trust** [LYWY19].
TSN [GP20]. **TSN-based** [GP20]. **Two**
 [HMWZ18, TLW⁺19]. **Two-Level**
 [TLW⁺19]. **type** [GP20].

UACFinder [FGZ⁺20]. **UAV** [KMWB19].
Ultra [PXH⁺19]. **Ultra-low** [PXH⁺19].
Unacknowledged [PM19]. **Unauthorized**
 [GVM⁺20]. **Uncertainties** [MVS⁺19].
Uniform [CGCH18]. **Unspecified**
 [FGZ⁺20]. **Urban** [ZZZ⁺17a, ZZZ⁺17b].
User [HHS19, LCC⁺19, WWW20].
User-Behavior-Aware [LCC⁺19]. **Using**
 [CGCH18, GWO⁺20, RTY⁺19, YFS⁺19].
Utility [DRC⁺18].

Validation [SSV⁺18, YAR⁺18]. **VANETs**
 [HSI⁺20]. **Vehicle** [KMS20, VMDJ20, YS20].
Vehicles [AR19, KLMS20, MVS⁺20].
Vehicular [Asp20, BGGD20, LNE⁺20].
Verification [Asp20, GGB⁺18, PPK18].
Verified [JSY⁺19]. **via** [GBH⁺17, HKS17].
Virtual [BKIS19, KMS20]. **Visual**
 [LCK⁺19, VBV⁺19]. **Volatile**
 [BGMM19, PXH⁺19]. **Voltage** [RTY⁺19].

Watermarking [KSK20].
Watermarking-based [KSK20]. **Wave**
 [BGMM19]. **Wearable**
 [BHX⁺20, HMWZ18]. **WiFi** [XCL⁺19].
WInternet [WZ17]. **Wired** [LRN⁺19].
Wireless [BMJ⁺20, HBD⁺20, MGL⁺19,
 MYL⁺20, Sta17, WLA19, ZMK⁺17]. **WSNs**
 [PM19, WWW20].

Z [BGMM19]. **Z-Wave** [BGMM19].
ZW0301 [BGMM19].

References

Almeida:2019:ISI

[AAH⁺19] Luis Almeida, Bjorn Andersson, Jen-Wei Hsieh, Li-Pin Chang, and Xiaobo Sharon Hu. Introduction to the special issue on real-time aspects in cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):24:1–24:2, October 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3342564>.

Alaeiyan:2020:MFR

[ADD⁺20] Mohammadhadi Alaeiyan, Ali Dehghantanha, Tooska Dargahi, Mauro Conti, and Saeed Parsa. A multilabel fuzzy relevance clustering system for malware attack attribution in the edge layer of cyber-physical networks. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3):31:1–31:22, March 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3351881>.

Aoki:2019:CSP

[AR19] Shunsuke Aoki and Ragnathan (Raj) Rajkumar. CSIP: a synchronous protocol for automated vehicles at road intersections. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):25:1–25:25, October 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic).

- URL <https://dl.acm.org/doi/abs/10.1145/3226032>.
- Asplund:2020:CDV**
- [Asp20] Mikael Asplund. Combining detection and verification for secure vehicular cooperation groups. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):10:1–10:31, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3322129>.
- Altawy:2017:SPS**
- [AY17] Riham Altawy and Amr M. Youssef. Security, privacy, and safety aspects of civilian drones: A survey. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):7:1–7:25, February 2017. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3001836>.
- Babun:2020:SLB**
- [BAU20] Leonardo Babun, Hidayet Aksu, and A. Selcuk Uluagac. A system-level behavioral detection framework for compromised CPS devices: Smart-grid case. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):16:1–16:28, February 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3355300>.
- Biagi:2019:MBQ**
- [BCTV19] Marco Biagi, Laura Carnevali, Fabio Tarani, and Enrico Vi-
- cario. Model-based quantitative evaluation of repair procedures in gas distribution networks. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):19:1–19:26, March 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3284037>.
- Barnwal:2020:PDT**
- [BGGD20] Rajesh P. Barnwal, Nirnay Ghosh, Soumya K. Ghosh, and Sajal K. Das. Publish or drop traffic event alerts? Quality-aware decision making in participatory sensing-based vehicular CPS. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):9:1–9:28, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3321480>.
- Buonocunto:2018:LTP**
- [BGM⁺18] Pasquale Buonocunto, Andrea Giantomassi, Mauro Marinoni, Davide Calvaresi, and Giorgio Buttazzo. A limb tracking platform for tele-rehabilitation. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):30:1–30:23, September 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3148225>.
- Badenhop:2019:LUH**
- [BGMM19] C. W. Badenhop, S. R. Graham, B. E. Mullins, and L. O. Mailloux. Looking under the

Hood of Z-Wave: Volatile memory introspection for the ZW0301 transceiver. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):20:1–20:24, March 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3285030>.

Bi:2020:SWH

- [BHX⁺20] Chongguang Bi, Jun Huang, Guoliang Xing, Landu Jiang, Xue Liu, and Minghua Chen. Safe-Watch: a wearable hand motion tracking system for improving driving safety. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):13:1–13:21, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3360323>.

Barker:2019:BVP

- [BKIS19] Sean Barker, Sandeep Kalra, David Irwin, and Prashant Shenoy. Building virtual power meters for online load tracking. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):23:1–23:24, March 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3303860>.

Baumann:2020:FFC

- [BMJ⁺20] Dominik Baumann, Fabian Mager, Romain Jacob, Lothar Thiele, Marco Zimmerling, and Sebastian Trimpe. Fast feedback

control over multi-hop wireless networks with mode changes and stability guarantees. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):18:1–18:32, February 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3361846>.

Bennaceur:2018:FDM

- [BTB⁺18] Amel Bennaceur, Thein Than Tun, Arosha K. Bandara, Yijun Yu, and Bashar Nuseibeh. Feature-driven mediator synthesis: Supporting collaborative security in the Internet of Things. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):21:1–21:25, July 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3134843>.

Bu:2018:SEC

- [BXL⁺18] Lei Bu, Wen Xiong, Chieh-Jan Mike Liang, Shi Han, Dongmei Zhang, Shan Lin, and Xuan-dong Li. Systematically ensuring the confidence of real-time home automation IoT systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):22:1–22:23, July 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185501>.

Bhuiyan:2019:DCP

- [ByKLS19] Md Zakirul Alam Bhuiyan, Sy yen Kuo, Damian Lyons, and

- Zili Shao. Dependability in cyber-physical systems and applications. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):1:1–1:4, January 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3271432>.
- [CCTS20] Carmen Cheh, Binbin Chen, William G. Temple, and William H. Sanders. Modeling adversarial physical movement in a railway station: Classification and metrics. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):11:1–11:25, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3349584>.
- [CGCH18] Wanli Chang, Dip Goswami, Samarjit Chakraborty, and Arne Hamann. OS-aware automotive controller design using non-uniform sampling. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):26:1–26:22, September 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3121427>.
- [CH20] Samarjit Chakraborty and Tian He. Introduction to the special issue on transportation cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):1:1–1:3, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372495>.
- [CZV⁺19] Andrea Ceccarelli, Tommaso Zoppi, Alexandr Vasenev, Marco Mori, Dan Ionita, Lorena Montoya, and Andrea Bondavalli. Threat analysis in systems-of-systems: an emergence-oriented approach. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):18:1–18:24, March 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3234513>.
- [DAM⁺18] D. De Venuto, V. F. Annese, G. Mezzina, F. Scioscia, M. Ruta, E. Di Sciascio, and A. Sangiovanni Vincentelli. A mobile health system for neurocognitive impairment evaluation based on P300 detection. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):31:1–31:21, September 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3140236>.
- [DRC⁺18] Roy Dong, Lillian J. Ratliff, Alvaro A. Cárdenas, Henrik Ohlsson, and S. Shankar Sastry. Quantifying the utility–privacy tradeoff in the Internet of Things.

Cheh:2020:MAP

Ceccarelli:2019:TAS

Chang:2018:AAC

DeVenuto:2018:MHS

Chakraborty:2020:ISI

Dong:2018:QUP

- ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2): 8:1–8:28, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185511>.
- [FGZ⁺20] Zhicheng Fu, Chunhui Guo, Zhenyu Zhang, Shangping Ren, and Lui Sha. UACFinder: Mining syntactic carriers of unspecified assumptions in medical cyber-physical system design models. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3):24:1–24:25, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3375405>.
- [GAT20] Yue Guan, Anuradha M. Anaswamy, and H. Eric Tseng. A dynamic routing framework for shared mobility services. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):6:1–6:28, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300181>.
- [GBH⁺17] Ilias Gerostathopoulos, Tomas Bures, Petr Hnetynka, Adam Hujeczek, Frantisek Plasil, and Dominik Skoda. Strengthening adaptation in cyber-physical systems via meta-adaptation strategies. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(3):13:1–13:25, May 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2823345>.
- [GGB⁺18] André A. Gerales, Luca Geretti, Davide Bresolin, Riccardo Muradore, Paolo Fiorini, Leonardo S. Mattos, and Tiziano Villa. Formal verification of medical CPS: a laser incision case study. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4): 35:1–35:29, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3140237>.
- [GP20] Voica Gavrilut and Paul Pop. Traffic-type assignment for TSN-based mixed-criticality cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):23:1–23:27, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3371708>.
- [GS18] Rajrup Ghosh and Yogesh Simmhan. Distributed scheduling of event analytics across edge and cloud. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):24:1–24:28, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic).

Fu:2020:UMS

Gerales:2018:FVM

Guan:2020:DRF

Gavrilut:2020:TTA

Gerostathopoulos:2017:SAC

Ghosh:2018:DSE

URL <https://dl.acm.org/doi/abs/10.1145/3140256>.

Guerar:2020:CNA

- [GVM⁺20] Meriem Guerar, Luca Verderame, Alessio Merlo, Francesco Palmieri, Mauro Migliardi, and Luca Vallerini. CirclePIN: a novel authentication mechanism for smartwatches to prevent unauthorized access to IoT devices. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3): 34:1–34:19, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365995>.

Gilanifar:2020:BSG

- [GWO⁺20] Mostafa Gilanifar, Hui Wang, Eren Erman Ozguven, Yuxun Zhou, and Reza Arghandeh. Bayesian spatiotemporal Gaussian process for short-term load forecasting using combined transportation and electricity data. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1): 2:1–2:25, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300185>.

Harbin:2020:APM

- [HBD⁺20] J. Harbin, A. Burns, R. I. Davis, L. S. Indrusiak, I. Bate, and D. Griffin. The AirTight protocol for mixed criticality wireless CPS. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):19:1–19:28, February 2020.

CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3362987>.

Huang:2019:EEE

- [HHS19] Hui Huang, Shiyan Hu, and Ye Sun. Energy-efficient ECG signal compression for user data input in cyber-physical systems by leveraging empirical mode decomposition. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4):40:1–40:19, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3341559>.

He:2017:CSI

- [HKS17] Liang He, Eugene Kim, and Kang G. Shin. A case study on improving capacity delivery of battery packs via reconfiguration. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):11:1–11:23, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3035539>.

Huang:2018:TBF

- [HMWZ18] Qianyi Huang, Yan Mei, Wei Wang, and Qian Zhang. Toward battery-free wearable devices: The synergy between two feet. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):20:1–20:18, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic).

URL <https://dl.acm.org/doi/abs/10.1145/3185503>.

Hatzivasilis:2020:MSK

- [HSI⁺20] George Hatzivasilis, Othonas Soutatos, Sotiris Ioannidis, George Spanoudakis, Vasilios Katos, and Giorgos Demetriou. MobileTrust: Secure knowledge integration in VANETs. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3): 33:1–33:25, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3364181>.

Huang:2019:TNL

- [HSL⁺19] Pei-Chi Huang, Luis Sentis, Joel Lehman, Chien-Liang Fok, Aloysius K. Mok, and Risto Miikkulainen. Tradeoffs in neuroevolutionary learning-based real-time robotic task design in the imprecise computation framework. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2): 14:1–14:29, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3178903>.

Huang:2017:MTL

- [HZI⁺17] Zhichuan Huang, Ting Zhu, David Irwin, Aditya Mishra, Daniel Menasche, and Prashant Shenoy. Minimizing transmission loss in smart microgrids by sharing renewable energy. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):5:1–5:22,

February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2823355>.

Irwin:2017:EDE

- [IIL⁺17] David Irwin, Srinivasan Iyengar, Stephen Lee, Aditya Mishra, Prashant Shenoy, and Ye Xu. Enabling distributed energy storage by incentivizing small load shifts. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):10:1–10:30, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3015663>.

Iyengar:2019:ISS

- [IKG⁺19] Srinivasan Iyengar, Sandeep Kalra, Anushree Ghosh, David Irwin, Prashant Shenoy, and Benjamin Marlin. Inferring smart schedules for dumb thermostats. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2): 17:1–17:29, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3226031>.

Joerger:2018:CPS

- [JRGB⁺18] Guillaume Joerger, Juliette Rambourg, Helene Gaspard-Boulinck, Stephane Conversy, Barbara L. Bass, Brian J. Dunkin, and Marc Garbey. A cyber-physical system to improve the management of a large suite of operating rooms. *ACM Transactions on*

Cyber-Physical Systems (TCPS), 2(4):34:1–34:24, September 2018. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3140234>.

Jiang:2019:DMD

- [JSY⁺19] Yu Jiang, Houbing Song, Yixiao Yang, Han Liu, Ming Gu, Yong Guan, Jiaguang Sun, and Lui Sha. Dependable model-driven development of CPS: From state-flow simulation to verified implementation. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):12:1–12:31, January 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3078623>.

Jiang:2017:EBM

- [JZL⁺17] Jian-Min Jiang, Huibiao Zhu, Qin Li, Yongxin Zhao, Lin Zhao, Shi Zhang, Ping Gong, Zhong Hong, and Donghuo Chen. Event-based mobility modeling and analysis. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):9:1–9:32, February 2017. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2823353>.

Kim:2019:DTP

- [KFSL19] Baekgyu Kim, Lu Feng, Oleg Sokolsky, and Insup Lee. Determining timing parameters for the code generation from platform-independent timed models. *ACM Transactions on Cyber-Physical*

Systems (TCPS), 3(3):28:1–28:32, October 2019. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3230711>.

Khayatian:2020:CTA

- [KLMS20] Mohammad Khayatian, Yingyan Lou, Mohammadreza Mehrabian, and Aviral Shrivastava. Cross-roads+: a time-aware approach for intersection management of connected autonomous vehicles. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):20:1–20:28, February 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3364182>.

Kim:2020:TSG

- [KMS20] Baekgyu Kim, Takato Masuda, and Shinichi Shiraishi. Test specification and generation for connected and autonomous vehicle in virtual environments. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):8:1–8:26, January 2020. CODEN ????? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3311954>.

Koch:2019:RLU

- [KMWB19] William Koch, Renato Mancuso, Richard West, and Azer Bestavros. Reinforcement learning for UAV attitude control. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):

- 22:1–22:21, March 2019. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3301273>.
- [KRG17] Kedar Khandeparkar, Krithi Ramamritham, and Rajeev Gupta. QoS-driven data processing algorithms for smart electric grids. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(3):14:1–14:24, May 2017. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3047410>.
- [KSK20] Woo-Hyun Ko, Bharadwaj Satchidanandan, and P. R. Kumar. Dynamic watermarking-based defense of transportation cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):12:1–12:21, January 2020. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3361700>.
- [Kuo17] Tei Kuo. Introduction. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(1):1e:1, February 2017. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3047402>.
- [LCC+19] Wei Li, Xiaomin Chang, Junwei Cao, Ting Yang, Yaojie Sun, and Albert Y. Zomaya. A sustainable and user-behavior-aware cyber-physical system for home energy management. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4):37:1–37:24, October 2019. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3320075>.
- [LCK+19] Yang Liu, Xiaoming Chen, Dileep Kadambi, Ajinkya Bari, Xin Li, Shiyang Hu, and Pingqiang Zhou. Dependable visual light-based indoor localization with automatic anomaly detection for location-based service of mobile cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):5:1–5:17, January 2019. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3162051>.
- [Lee17] Edward A. Lee. Fundamental limits of cyber-physical systems modeling. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(1):3:1–3:26, February 2017. CODEN ????. ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2912149>.

Li:2019:SUB**Khandeparkar:2017:QDD****Liu:2019:DVL****Ko:2020:DWB****Lee:2017:FLC****Kuo:2017:I**

- [LJZ18] Liu:2018:TST Guanjun Liu, Changjun Jiang, and Mengchu Zhou. Time-soundness of time Petri nets modelling time-critical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2): 11:1–11:27, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185502>.
- [LLC⁺19] Li:2019:RAS Beibei Li, Rongxing Lu, Kim-Kwang Raymond Choo, Wei Wang, and Sheng Luo. On reliability analysis of smart grids under topology attacks: a stochastic Petri net approach. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):10:1–10:25, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3127021>.
- [LNE⁺20] Li:2020:DIS Kai Li, Wei Ni, Yousef Emami, Yiran Shen, Ricardo Severino, David Pereira, and Eduardo Tovar. Design and implementation of secret key agreement for platoon-based vehicular cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):22:1–22:20, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365996>.
- [LP18] Lee:2018:GES Insup Lee and Miroslav Pajic. Guest editorial: Special issue on medical cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):29:1–29:2, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3243122>.
- [LRN⁺19] Loureiro:2019:EAR João Loureiro, Raghuraman Rangarajan, Borislav Nikolic, Leandro Soares Indrusiak, and Eduardo Tovar. Extensive analysis of a real-time dense wired sensor network based on traffic shaping. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):27:1–27:27, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3230872>.
- [LSN⁺18] Liu:2018:SMC Jinwei Liu, Haiying Shen, Husnu S. Narman, Wingyan Chung, and Zongfang Lin. A survey of mobile crowdsensing techniques: a critical component for the Internet of Things. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3): 18:1–18:26, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185504>.

- [LTT⁺20] Hoon Wei Lim, William G. Temple, Bao Anh N. Tran, Binbin Chen, Zbigniew Kalbarczyk, and Jianying Zhou. Data integrity threats and countermeasures in railway spot transmission systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):7:1–7:26, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300179>. **Lim:2020:DIT**
- [LTTY18] Subhash Lakshminarayana, Teo Zhan Teng, Rui Tan, and David K. Y. Yau. Modeling and detecting false data injection attacks against railway traction power systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):28:1–28:29, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3226030>. **Lakshminarayana:2018:MDF**
- [LYWY19] Ning Li, Zheng Yan, Mingjun Wang, and Laurence T. Yang. Securing communication data in pervasive social networking based on trust with KP-ABE. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):9:1–9:23, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3145624>. **Li:2019:SCD**
- [MGL⁺19] Yehan Ma, Dolvara Gunatilaka, Bo Li, Humberto Gonzalez, and Chenyang Lu. Holistic cyber-physical management for dependable wireless control systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):3:1–3:25, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185510>. **Ma:2019:HCP**
- [MPA⁺20] Meiyi Ma, Sarah M. Preum, Mohsin Y. Ahmed, William Tärneberg, Abdeltawab Hendawi, and John A. Stankovic. Data sets, modeling, and decision making in smart cities: a survey. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):14:1–14:28, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3355283>. **Ma:2020:DSM**
- [MSS18] Paul Martin, Andrew Symington, and Mani Srivastava. SLATS: Simultaneous localization and time synchronization. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):19:1–19:25, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3134841>. **Martin:2018:SSL**
- [MVS⁺19] Róbinson Medina, Juan Valen
- Medina:2019:DCI**

- cia, Sander Stuijk, Dip Goswami, and Twan Basten. Designing a controller with image-based pipelined sensing and additive uncertainties. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):33:1–33:26, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3326067>.
- [MVS⁺20] Subhojeet Mukherjee, Jeffrey C. Van Etten, Namburi Rani Samyukta, Jacob Walker, Indrakshi Ray, and Indrajit Ray. TruckSTM: Runtime realization of operational state transitions for medium and heavy duty vehicles. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):4:1–4:25, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300183>.
- [MYL⁺20] Sirajum Munir, Hao-Tsung Yang, Shan Lin, S. M. Shahriar Nirjon, Chen Lin, Enamul Hoque, John A. Stankovic, and Kamin Whitehouse. Reliable communication and latency bound generation in wireless cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):15:1–15:26, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3354917>.
- [NHB⁺18] Luan V. Nguyen, Khaza Anuarul Hoque, Stanley Bak, Steven Drager, and Taylor T. Johnson. Cyber-physical specification mismatches. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):23:1–23:26, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3170500>.
- [NRB⁺18] Alessandro A. Nacci, Vincenzo Rana, Bharathan Balaji, Paola Spoletini, Rajesh Gupta, Donatella Sciuto, and Yuvraj Agarwal. BuildingRules: a trigger-action-based system to manage complex commercial buildings. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):13:1–13:22, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185500>.
- [PDK⁺18] Subhav Pradhan, Abhishek Dubey, Shweta Khare, Saideep Nannapaneni, Aniruddha Gokhale, Sankaran Mahadevan, Douglas C. Schmidt, and Martin Lehofer. CHARIOT: Goal-driven orchestration middleware for resilient IoT systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):16:1–16:37, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185500>.

Nguyen:2018:CPS**Mukherjee:2020:TRR****Nacci:2018:BTA****Munir:2020:RCL****Pradhan:2018:CGD**

dl.acm.org/doi/abs/10.1145/3134844.

Park:2017:SCP

- [PIW⁺17] Junkil Park, Radoslav Ivanov, James Weimer, Miroslav Pajic, Sang Hyuk Son, and Insup Lee. Security of cyber-physical systems in the presence of transient sensor faults. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(3):15:1–15:23, May 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3064809>.

Parsch:2019:ARU

- [PM19] Philip Parsch and Alejandro Masrur. Accounting for reliability in unacknowledged time-constrained WSNs. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):26:1–26:28, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3241746>.

Paoletti:2018:CLQ

- [PPK18] Nicola Paoletti, Andrea Patanè, and Marta Kwiatkowska. Closed-loop quantitative verification of rate-adaptive pacemakers. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):33:1–33:31, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3152767>.

Pereyda:2020:CPS

- [PRM⁺20] Christopher Pereyda, Nisha Raghunath, Bryan Minor, Garrett Wilson, Maureen Schmitter-Edgecombe, and Diane J. Cook. Cyber-physical support of daily activities: a robot/smart home partnership. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):21:1–21:24, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3365225>.

Pan:2019:MOS

- [PXH⁺19] Chen Pan, Mimi Xie, Song Han, Zhi-Hong Mao, and Jingtong Hu. Modeling and optimization for self-powered non-volatile IoT edge devices with ultra-low harvesting power. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):32:1–32:26, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3324609>.

Roehm:2019:MCC

- [ROWA19] Hendrik Roehm, Jens Oehlerking, Matthias Woehrle, and Matthias Althoff. Model conformance for cyber-physical systems: a survey. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):30:1–30:26, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3324609>.

dl.acm.org/doi/abs/10.1145/3306157.

Rabadi:2019:RCS

- [RTY⁺19] Dima Rabadi, Rui Tan, David K. Y. Yau, Sreejaya Viswanathan, Hao Zheng, and Peng Cheng. Resilient clock synchronization using power grid voltage. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):31:1–31:26, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3342048>. [ST18]

Sinha:2019:TSR

- [SDZV19] Roopak Sinha, Barry Dowdeswell, Gulnara Zhabelova, and Valeriy Vyatkin. TORUS: Scalable requirements traceability for large-scale cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):15:1–15:25, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3203208>. [Sta17]

Schmidt:2018:CPS

- [SSV⁺18] Mischa Schmidt, Anett Schülke, Alberto Venturi, Roman Kurpatov, and Enrique Blanco Henríquez. Cyber-physical system for energy-efficient stadium operation: Methodology and experimental validation. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):25:1–25:26, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic).

URL <https://dl.acm.org/doi/abs/10.1145/3140235>.

Siegemund:2018:SSP

Gerry Siegemund and Volker Turau. A self-stabilizing publish/subscribe middleware for IoT applications. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):12:1–12:26, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3185509>.

Stankovic:2017:RDC

John A. Stankovic. Research directions for cyber physical systems in wireless and mobile healthcare. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(1):1:1–1:12, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2899006>.

Samie:2018:DTB

- [STB⁺18] Farzad Samie, Vasileios Tsoutsouras, Lars Bauer, Sotirios Xydis, Dimitrios Soudris, and Jörg Henkel. Distributed trade-based edge device management in multi-gateway IoT. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):17:1–17:25, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3134842>.

- [TBKJ19] Edward Tremel, Ken Birman, Robert Kleinberg, and Márk Jelasity. Anonymous, fault-tolerant distributed queries for smart devices. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):16:1–16:29, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3204411>. **Tremel:2019:AFT**
- [THR20] Ali Tamimi, Adam Hahn, and Sandip Roy. Cyber threat impact analysis to air traffic flows through dynamic queue networks. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3):26:1–26:22, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3377425>. **Tamimi:2020:CTI**
- [TLW⁺19] Feng Tan, Liansheng Liu, Stefan Winter, Qixin Wang, Neeraj Suri, Lei Bu, Yu Peng, Xue Liu, and Xiyuan Peng. Cross-domain noise impact evaluation for black box two-level control CPS. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):2:1–2:25, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3226029>. **Tan:2019:CDN**
- [TNY17] Rui Tan, Hoang Hai Nguyen, and David K. Y. Yau. Collaborative load management with safety assurance in smart grids. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):12:1–12:27, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2823351>. **Valente:2019:ISV**
- [VBV⁺19] Junia Valente, Kanchan Bahirat, Kelly Venechanos, Alvaro A. Cardenas, and Prabhakaran Balakrishnan. Improving the security of visual challenges. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):34:1–34:26, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3331183>. **VanDeHoef:2020:PFD**
- [VMDJ20] Sebastian Van De Hoef, Jonas Mårtensson, Dimos V. Dimarogonas, and Karl Henrik Johansson. A predictive framework for dynamic heavy-duty vehicle platoon coordination. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):5:1–5:25, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3299110>. **Wang:2017:ESH**
- [WGH⁺17] Hongwei Wang, Yunlong Gao, Shaohan Hu, Shiguang Wang, Renato Mancuso, Minje Kim, Po-liang Wu, Lu Su, Lui Sha, and
- [TNY17] Rui Tan, Hoang Hai Nguyen,

- Tarek Abdelzaher. On exploiting structured human interactions to enhance sensing accuracy in cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(3):16:1–16:19, July 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3064006>.
Wang:2019:RTM
- [WGL19] Chao Wang, Christopher Gill, and Chenyang Lu. Real-time middleware for cyber-physical event processing. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(3):29:1–29:25, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3218816>.
Wang:2018:RRC
- [WHS18] Xiaofeng Wang, Naira Hovakimyan, and Lui Sha. RSimplex: a robust control architecture for cyber and physical failures. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):27:1–27:26, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3121428>.
Wu:2018:DSA
- [WKS18] Qiang Wu, T. John Koo, and Yoshihiko Susuki. Dynamic security analysis of power systems by a sampling-based algorithm. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):10:1–10:26, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3208093>.
Wan:2019:PLK
- [WLA19] Jiang Wan, Anthony Lopez, and Mohammad Abdullah Al Faruque. Physical layer key generation: Securing wireless communication in automotive cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):13:1–13:26, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3140257>.
Wang:2018:LTE
- [WMC18] Ping Wang, Meng Ma, and Chao-Hsien Chu. Long-term event processing over data streams in cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):14:1–14:23, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3204412>.
Wu:2019:CYC
- [WTZ⁺19] Tingmin Wu, Lihong Tang, Rongjunchen Zhang, Sheng Wen, Cecile Paris, Surya Nepal, Marthie Grobler, and Yang Xiang. Catering to your concerns: Automatic generation of personalised security-centric descriptions for Android apps.

ACM Transactions on Cyber-Physical Systems (TCPS), 3(4): 36:1–36:21, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3317699>.

Wang:2019:ILD

- [WWL⁺19] Tian Wang, Wenhua Wang, Anfeng Liu, Shaobin Cai, and Jian-nong Cao. Improve the localization dependability for cyber-physical applications. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):6:1–6:21, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3140240>.

Wang:2020:EMF

- [WWW20] Ding Wang, Ping Wang, and Chenyu Wang. Efficient multi-factor user authentication protocol with forward secrecy for real-time data access in WSNs. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3): 30:1–30:26, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3325130>.

Wang:2019:DTT

- [WYW⁺19] Xiaokang Wang, Laurence T. Yang, Yihao Wang, Xingang Liu, Qingxia Zhang, and M. Jamal Deen. A distributed tensor-train decomposition method for cyber-physical-social services.

ACM Transactions on Cyber-Physical Systems (TCPS), 3(4): 35:1–35:15, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3323926>.

Wu:2017:DRW

- [WZ17] Jianjia Wu and Wei Zhao. Design and realization of WInternet: From net of things to Internet of Things. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(1):2:1–2:12, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2872332>.

Wei:2019:ISI

- [WZR⁺19] Tongquan Wei, Junlong Zhou, Rajiv Ranjan, Isaac Triguero, Huafeng Yu, Chun Jason Xue, and Schahram Dustdar. Introduction to the special issue on human-interaction-aware data analytics for cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4):35e:1–35e:2, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3344260>.

Wang:2019:DTS

- [WZS⁺19] Chang Wang, Yongxin Zhu, Weiwei Shi, Victor Chang, P. Vijayakumar, Bin Liu, Yishu Mao, Jiabao Wang, and Yiping Fan. A dependable time series analytic framework for cyber-physical systems of IoT-based smart grid.

ACM Transactions on Cyber-Physical Systems (TCPS), 3(1): 7:1–7:18, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3145623>.

Xie:2019:HIA

[XBW⁺19] Guoqi Xie, Yang Bai, Wei Wu, Yanwen Li, Renfa Li, and Keqin Li. Human-interaction-aware adaptive functional safety processing for multi-functional automotive cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4): 39:1–39:25, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3337931>.

Xiao:2019:ILD

[XCL⁺19] Fu Xiao, Jing Chen, Zhetao Li, Haiping Huang, and Lijuan Sun. Improved LDA dimension reduction based behavior learning with commodity WiFi for cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4):38:1–38:19, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3342219>.

Xie:2019:RCA

[XZA⁺19] Guoqi Xie, Gang Zeng, Jiyao An, Renfa Li, and Keqin Li. Resource-cost-aware fault-tolerant design methodology for

end-to-end functional safety computation on automotive cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):4:1–4:27, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3162052>.

Yip:2018:TEC

[YAR⁺18] Eugene Yip, Sidharta Andalarn, Partha S. Roop, Avinash Malik, Mark L. Trew, Weiwei Ai, and Nitish Patel. Towards the emulation of the cardiac conduction system for pacemaker validation. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(4):32:1–32:26, September 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3134845>.

Yang:2019:CBC

[YFS⁺19] Chaoqun Yang, Li Feng, Zhiguo Shi, Rongxing Lu, and Kim-Kwang Raymond Choo. A crowdsensing-based cyber-physical system for drone surveillance using random finite set theory. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4): 42:1–42:22, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3342049>.

Yan:2020:TOV

[YS20] Li Yan and Haiying Shen. TOP: Optimizing vehicle driving speed

with vehicle trajectories for travel time minimization and road congestion avoidance. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(2):17:1–17:25, February 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3362162>.

Yoon:2019:SAP

[YWM⁺19] Hyung-Jin Yoon, Christopher Widdowson, Thiago Marinho, Ranxiao Frances Wang, and Naira Hovakimyan. Socially aware path planning for a flying robot in close proximity of humans. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(4):41:1–41:24, October 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3341570>.

Yu:2019:PPD

[YWZ⁺19] Jiahui Yu, Kun Wang, Deze Zeng, Chunsheng Zhu, and Song Guo. Privacy-preserving data aggregation computing in cyber-physical social systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):8:1–8:23, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3145625>.

Yong:2018:SDI

[YZF18] Sze Zheng Yong, Minghui Zhu, and Emilio Frazzoli. Switching and data injection attacks

on stochastic cyber-physical systems: Modeling, resilient estimation, and attack mitigation. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):9:1–9:2, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3204439>.

Zhao:2018:PSIA

[ZA18a] Wei Zhao and Tarek Abdelzaher. Preface to the special issue: Toward an efficient and effective Internet of Things for cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(2):7:1–7:2, June 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3203210>.

Zhao:2018:PSIB

[ZA18b] Wei Zhao and Tarek Abdelzaher. Preface to the special issue: Toward an efficient and effective Internet of Things for cyber-physical systems (Part II). *ACM Transactions on Cyber-Physical Systems (TCPS)*, 2(3):15:1–15:2, July 2018. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3203213>.

Zhang:2020:HMT

[ZDY⁺20] Zhenyong Zhang, Ruilong Deng, David K. Y. Yau, Peng Cheng, and Jiming Chen. On hiddenness of moving target defense against

- false data injection attacks on power grid. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(3):25:1–25:29, March 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3372751>. **Zhang:2019:NST**
- [ZHZ19] Desheng Zhang, Tian He, and Fan Zhang. National-scale traffic model calibration in real time with multi-source incomplete data. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(2):21:1–21:26, March 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300186>. **Zhang:2019:DDC**
- [ZYCL19] Qingchen Zhang, Laurence T. Yang, Zhikui Chen, and Peng Li. Dependable deep computation model for feature learning on big data in cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 3(1):11:1–11:17, January 2019. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3110218>. **Zhang:2017:HMI**
- [ZLSZ20] Bowen Zheng, Chung-Wei Lin, Shinichi Shiraishi, and Qi Zhu. Design and analysis of delay-tolerant intelligent intersection management. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 4(1):3:1–3:27, January 2020. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <https://dl.acm.org/doi/abs/10.1145/3300184>. **Zheng:2020:DAD**
- [ZMK⁺17] Marco Zimmerling, Luca Motola, Pratyush Kumar, Federico Ferrari, and Lothar Thiele. Adaptive real-time communication for wireless cyber-physical systems. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):8:1–8:29, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=3012005>. **Zhang:2017:LMT**
- [ZZZ⁺17a] Desheng Zhang, Juanjuan Zhao, Fan Zhang, Tian He, Haengju Lee, and Sang H. Son. Heterogeneous model integration for multi-source urban infrastructure data. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(1):4:1–4:26, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2967503>. **Zimmerling:2017:ART**
- [ZZZ⁺17b] Desheng Zhang, Juanjuan Zhao, Fan Zhang, Ruobing Jiang, Tian He, and Nikos Papanikolopoulos. Last-mile transit service with urban infrastructure data. *ACM Transactions on Cyber-Physical Systems (TCPS)*, 1(2):6:1–6:26, February 2017. CODEN ???? ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2967503>.

ISSN 2378-962X (print), 2378-9638 (electronic). URL <http://dl.acm.org/citation.cfm?id=2823326>.