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
Algorithms [KRG17]. Analysis [CZV+19, JZL+17, LLC+19, LRN+19, THR20, WKS18, ZLSZ20]. Analytic
[ByL+19, ST18, LWM+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 [LL+18, LLC+19, YZF18, ZDY+20]. Attitude [KMWB19]. Attribution
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, XBR+19].


Buildings [NRB+18].


Communication [LYWY19, MYL+20, MLA19, ZMK+17]. Complex [NRB+18]. Component [LSN+18]. Compression [HHS19].


Conduction [YAR+18]. Confidence [BXL+18]. Conformance [ROWA19].

Congestion [YS20]. Connected [KLMS20, KMS20]. Constrained [PM19].


Cross-Domain [TLW+19]. Crossroads [KLMS20]. Crowdsensing [LSN+18, YFS+19]. Crowdsensing-based [YFS+19]. CSIP [AR19]. Cyber [ADD+20, AHH+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, PFW+17, PRM+20, ROWA19, SS+18, SDFZV19, STA17, THR20, WLA19, WGH+17, WMC18, WHS18, WZS+19, WYF+19, WWL+19, WGL19, WZS+19, XCL+19, XBW+19, XZA+19, YSF+19, YZF+18, YWZ+19, ZYCL19, ZA18a, ZA18b, ZMK+17].

Cyber-Physical [ADD+20, AHH+19, ByKLS19, CH20, FGZ+20, GBH+17, HHS19, JRGB+18, Lee17, LP18, LCC+19, LCK+19, MGL+19, MYL+20, NHB+18, PW+17, ROWA19, SS+18, SDFZV19, STA17, THR20, WLA19, WGH+17, WMC18, WHS18, WZS+19, WYF+19, WWL+19, WGL19, XCL+19, XBW+19, XZA+19, YSF+19, YZF+18, YWZ+19, ZYCL19, ZA18a, ZA18b, ZMK+17].

Cyber-Physical-Social [WYF+19].

Daily [PRM+20]. Data [GWO+20, HHS19, KRG17, LTT+18, LYWY19, LTT+20, MPA+20, WMC18, WGW20, WZS+19, YZF+18, YWZ+19, ZZZ+17a, ZZZ+17b, ZYCL19, ZHZ19, ZDY+20]. Decision [BGGD20, MPA+20]. Decomposition [HHS19, WYF+19]. Deep [ZYCL19].

Defense [KSK20, ZDY+20]. Delay [ZLS20]. Delay-Tolerant [ZLS20].
Delivery [HKS17]. Dense [LRN+19].
Dependable [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 [LLTY18]. Detection [Asp20, BAU20, DAM+18, LCK+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].
[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
[HZT+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 [LLTY18, 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
[KFS19, 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].

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


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

Online [BKF19]. Operating [JRGB+18].

Operation [SV+18]. Operational [MVS+20]. Optimization [PXH+19].

Optimizing [YS20]. Orchestration [PPK+18]. Oriented [CGCH18].

Participatory [BGGD18].

Partnership [PRM+20]. Path [YWM+19]. Personalised [WTZ+19].


Platform-Independent [KFSL19].

Platoon [LNE+20]. VMDJ20.


preserving [YWZ+19]. Prevent [GVM+20]. Privacy [AY17. DRC+18. YWZ+19].

Privacy-preserving [YWZ+19].


Protocol [AR19. HBD+20. WWW20].

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

QoS [KRG17]. QoS-Driven [KRG17].


Railway [CCCT20. LTT18. LTT+20].

Random [YFS+19]. Rate [PPK+18].


Realization [MVS+20. WZ17].

Reconfiguration [KHS17]. Reduction [XCL+19]. Rehabilitation [BGGM+18].

Reinforcement [KMWB19]. Relevance [ADD+20]. Reliability [LLE+19. PM19].

Reliable [MYL+20]. Renewable [HZI+17].


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].

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
[LK+N+19, PIW+17]. Series [WZS+19].
Service [IIL+17]. Services
[GGB]. Shaping [LYW18]. Sets
[MA+20]. Shaping [LYW18]. Shared
[GGB]. 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
[BGKD19, HZI+17, IKG19, KRG17, LLC+19,
MA+20, PRM+20, TNY+17, TBKJ+19,
WZS+19]. Smart-Grid [BAU20].
Smartwatches [GVM+20]. Social
[LYW19, YW19, YFW+19]. Socially
[YWM+19]. Soundness [LZJ18]. Source
[ZZZ+17a, ZHZ19]. Spatiotemporal
[GWO+20]. Special [AAH+19, CH20, LP18,
WZR+19, ZA18a, ZA18b]. Specification
[KMS20, HNB+19]. Speed [YFS+19]. Spot
[LTT+20]. Stability [BMJ+20]. Stabilizing
[ST18]. Stadium [SSV+18]. State
[MVS+20]. Stateflow [JSY+19]. Station
[CCTS20]. Stochastic [LLC+19, YFW+19].
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
[YFS+19]. 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, NR+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, LTT+18, Lec+17, LP+20, LNE+20,
LTT+20, LZZ+19, LCK+19, MGL+19,
MYL+20, PIW+17, PDK+18, ROWA19,
SDZV+19, St+17, WLA19, WGH+17, WMC18,
WZS+19, WZR+19, WKS18, XCL+19,
XBW+19, XZ+19, YFW+19, YWZ+19,
ZCY+19, ZA18a, ZA18b, ZMK+17].
Systems-of-Systems [CZV+19].
Target [ZDY+20]. Task [HSL+19].
Techniques [LSN+18]. Tele [BG+18].
Tele-Rehabilitation [BG+18]. Tensor
[YFS+19]. Tensor-Train [YFS+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,
LJJ+18, LR+19, MVS+19, WZS+19,
WGL19, WYW19, YWZ19, ZHZ19, ZMK+17].
Time-aware [KLMS20].
Time-Constrained [PM19].
Time-Critical [LZJ18]. Time-Soundness
[LZJ18]. Timed [KFS19]. Timing
[KFS19]. Tolerant
[TBKJ+19, XZ+19, ZLSZ20]. TOP [YS20].
Toplogy [LLC+19]. TORUS [SDZV19].
Traceability [SDZV19]. Tracking
[BKIS19, BHX+20, BG+18]. Traction
[LTTY+18]. Trade [STB+18]. Trade-Based
[STB+18]. Tradeoffs [DRC+18]. Tradeoffs
[HSL+19]. Traffic
[BGGD20, GP20, LR+19, THR20, ZHZ19].
Traffic-type [GP20]. Train [WY+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 [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 [SVS+18, YAR+18]. VANETs
[HSI+20]. Vehicle [KMS20, VMDJ+20, YS20].
Vehicles [AR19, KLMS20, MVNS+20].
Verification [AS+20, GBDG+20, LNE+20].
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
[BH+20, HMWZ18]. WiFi [XCL+19].
WInternet [WZ17]. Wired [LRN+19].
Wireless [BMJ+19, HBD+19, MG+19,
MYL+20, Sta17, WLA19, ZMK+17]. WSNs
[PM19, WWW20]. [AR19]

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 Transac-
tions on Cyber-Physical Systems
(TCPS), 3(3):24:1–24:2, October
2019. CODEN ???? ISSN 2378-
962X (print), 2378-9638 (elec-
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 clus-
tering system for malware at-
tack attribution in the edge
layer of cyber-physical networks.
ACM Transactions on Cyber-
Physical Systems (TCPS), 4(3):
31:1–31:22, March 2020. CO-
DEN ???? ISSN 2378-962X
(print), 2378-9638 (electronic).
URL https://dl.acm.org/doi/
abs/10.1145/3351881.

Aoki:2019:CSP

[AR19] Shunsuke Aoki and Ragunathan
(Raj) Rajkumar. CSIP: a synchro-
nous protocol for automa-
ted vehicles at road inter-
sections. ACM Transactions on
Cyber-Physical Systems (TCPS),
CODEN ???? ISSN 2378-962X
(print), 2378-9638 (electronic).
Asplund:2020:CDV

[Asp20]

Altaawy:2017:SPS

[AY17]

Babun:2020:SLB

[BGUU20]

Biagi:2019:MBQ

[BGGD20]

Barnwal:2020:PDT

[BGGM19]

Buonocunto:2018:LTP

[BGMM19]

Badenhop:2019:LUH
C. W. Badenhop, S. R. Graham, B. E. Mullins, and L. O. Mailoux. Looking under the


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


REFERENCES

Fu:2020:UMS


Guan:2020:DRF


Gerostathopoulos:2017:SAC


Geraldes:2018:FVM


Gavrilut:2020:TTA


Ghosh:2018:DSE

REFERENCES


Guerar:2020:CNA

Gilanifar:2020:BSG

Huang:2019:EEE

Huang:2018:TBF
REFERENCES


Hatzivasilis:2020:MSK


Huang:2019:TNL


Iyengar:2019:ISS


Joerger:2018:CPS

[JRGB+18] Guillaume Joerger, Juliette Rambourg, Helene Gaspard-Bouline, 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...
REFERENCES


Khandeparkar:2017:QDD


Ko:2020:DWB


Kuo:2017:I


Li:2019:SUB


Liu:2017:FC

Liu:2018:TST


Li:2019:RAS


Loureiro:2019:EAR


Liu:2018:SMC


[MVS+19] Medina:2019:DCI Róbinson Medina, Juan Valen-
Mukherjee:2020:TRR


Nguyen:2018:CPS


Nacci:2018:BTA


Pradhan:2018:CGD

<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>URL</th>
</tr>
</thead>
</table>
REFERENCES

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

Rabadi:2019:RCS


Sinha:2019:TSR


Schmidt:2018:CPS


Siegemund:2018:SSP


Stankovic:2017:RDC


Samie:2018:DTB

REFERENCES


REFERENCES


REFERENCES


[YSS20] Li Yan and Haiying Shen. TOP: Optimizing vehicle driving speed
REFERENCES


**Yoon:2019:SAP**


**Yu:2019:PPD**


**Yong:2018:SDI**


**Zhao:2018:PSIa**


**Zhao:2018:PSIb**


**Zhang:2020:HMT**


**Zhang:2019:NST**


**Zheng:2020:DAD**


**Zimmerling:2017:ART**


**Zhang:2019/DDC**


**Zhang:2017:HMI**


**Zhang:2017:LMT**