

Designing CPS/IoT applications for smart buildings and

IET Cyber-Physical Systems: Theory and Applications

1, 3-12

DOI: [10.1049/iet-cps.2016.0025](https://doi.org/10.1049/iet-cps.2016.0025)

Citation Report

#	ARTICLE	IF	CITATIONS
1	IoTtalk-RC: Sensors As Universal Remote Control for Aftermarket Home Appliances. IEEE Internet of Things Journal, 2017, 4, 1104-1112.	5.5	38
2	Demand side management with consumer clusters in cyber-physical smart distribution system considering price-based and reward-based scheduling programs. IET Cyber-Physical Systems: Theory and Applications, 2017, 2, 75-83.	1.9	14
3	Location-based IoT applications on campus: The IoTtalk approach. Pervasive and Mobile Computing, 2017, 40, 660-673.	2.1	17
4	An architecture for implementing private local automation clouds built by CPS. , 2017, , .		12
5	Cyber-Physical-Social Frameworks for Urban Big Data Systems: A Survey. Applied Sciences (Switzerland), 2017, 7, 1017.	1.3	56
6	AAoT: Lightweight attestation and authentication of low-resource things in IoT and CPS. Computer Networks, 2018, 134, 167-182.	3.2	74
7	Priority based deployment of IoT devices. , 2018, , .		6
8	Design and Process Metamodels for Modelling and Verification of Safety-Related Software Applications in Smart Building Systems. , 2018, , .		2
9	Implementing an internet of things eLearning ecosystem. AIP Conference Proceedings, 2018, , .	0.3	0
10	Application of Fog Architecture Based on Multi-agent Mechanism in CPPS. , 2018, , .		3
11	The Challenges in Development of Internet of Things Based Smart Power Distribution System. , 2018, , .		2
12	Smart System for Protecting Onion from Different Attack. , 2018, , .		2
13	Virtual Physical Space - An Architecture Supporting Internet of Things Applications. , 2018, , .		21
14	A mutual authentication scheme with user anonymity for cyber-physical and internet of things. , 2018, , .		1
15	Internet of Things Water Monitoring for a Smart Seaside City. , 2018, , .		13
16	Knowledge discovery for enabling smart Internet of Things: A survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1276.	4.6	4
17	Data analytics and processing platforms in CPS. , 2019, , 1-24.		4
18	Internet of Things Applications as Energy Internet in Smart Grids and Smart Environments. Electronics (Switzerland), 2019, 8, 972.	1.8	110

#	ARTICLE	IF	CITATIONS
19	Design and Verification of Cyber-Physical Systems Specified by Petri Nets—A Case Study of a Direct Matrix Converter. <i>Mathematics</i> , 2019, 7, 812.	1.1	13
20	IOT Devices for Control Applications: A Review. , 2019, , .		4
21	Smart Home Automation System Using Internet of Things. , 2019, , .		22
22	Anomaly Detection Based on Fixed and Wearable Sensors in Assisted Living Environments. , 2019, , .		6
23	Specification of Cyber-Physical Systems with the Application of Interpreted Nets. , 2019, , .		9
24	Fog/Edge Computing-Based IoT (FECIoT): Architecture, Applications, and Research Issues. <i>IEEE Internet of Things Journal</i> , 2019, 6, 4118-4149.	5.5	175
25	A Cyber-Physical Middleware Platform for Buildings in Smart Cities. , 2019, , 645-652.		1
26	Guaranteed cost control of cyber-physical systems with packet dropouts under dos jamming attacks. <i>Asian Journal of Control</i> , 2020, 22, 1659-1669.	1.9	23
27	BigraphTalk: Verified Design of IoT Applications. <i>IEEE Internet of Things Journal</i> , 2020, 7, 2955-2967.	5.5	14
28	Smart Buildings: Systems and Drivers. <i>Buildings</i> , 2020, 10, 153.	1.4	59
29	Formal Verification of Control Modules in Cyber-Physical Systems. <i>Sensors</i> , 2020, 20, 5154.	2.1	4
30	IoT-based enterprise resource planning: Challenges, open issues, applications, architecture, and future research directions. <i>Internet of Things (Netherlands)</i> , 2020, 11, 100262.	4.9	54
31	Experiments to Assess the Implementation of A 4 GHZ Proximity Detector for Smart Crosswalk. , 2020, , .		0
32	HADES: a Hybrid Anomaly Detection System for Large-Scale Cyber-Physical Systems. , 2020, , .		3
33	Priority Based Traffic Pre-emption System for Medical Emergency Vehicles in Smart Cities. , 2020, , .		5
34	Secure Edge Computing Management Based on Independent Microservices Providers for Gateway-Centric IoT Networks. <i>IEEE Access</i> , 2020, 8, 187975-187990.	2.6	24
35	A Secure, Energy-Efficient and Distributed manageable model for a Smart Home. , 2020, , .		0
36	A Dual-Connectivity Mobility Link Service for Producer Mobility in the Named Data Networking. <i>Sensors</i> , 2020, 20, 4859.	2.1	7

#	ARTICLE	IF	CITATIONS
37	Determinism in Cyber-Physical Systems Specified by Interpreted Petri Nets. <i>Sensors</i> , 2020, 20, 5565.	2.1	18
38	IoTRepair: Systematically Addressing Device Faults in Commodity IoT. , 2020, , .		5
39	Resource Provisioning for Cyber-Physical-Social System in Cloud-Fog-Edge Computing Using Optimal Flower Pollination Algorithm. <i>IEEE Access</i> , 2020, 8, 105311-105319.	2.6	27
40	Internet of Robotic Things in Smart Domains: Applications and Challenges. <i>Sensors</i> , 2020, 20, 3355.	2.1	75
41	How IoT Can Integrate Biotechnological Approaches for City Applications-Review of Recent Advancements, Issues, and Perspectives. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3990.	1.3	12
42	SimTalk: Simulation of IoT Applications. <i>Sensors</i> , 2020, 20, 2563.	2.1	11
43	Application of complex event processing approaches for intelligent building development: A review. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2020, 12, 101-124.	0.8	3
44	Content analysis of literature on big data in smart cities. <i>Benchmarking</i> , 2021, 28, 1837-1857.	2.9	17
45	Near Optimum Random Routing of Uniformly Load Balanced Nodes in Wireless Sensor Networks Using Connectivity Matrix. <i>Wireless Personal Communications</i> , 2021, 116, 2963-2979.	1.8	10
46	Cyber-physical systems architectures for industrial internet of things applications in Industry 4.0: A literature review. <i>Journal of Manufacturing Systems</i> , 2021, 58, 176-192.	7.6	212
47	Application of Internet of Thing and Cyber Physical System in Industry 4.0 Smart Manufacturing. <i>Advances in Science, Technology and Innovation</i> , 2021, , 203-217.	0.2	16
48	Challenges and Applications of Cyber Physical Systems. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2021, , 1-17.	0.5	1
49	Observer Design for Cyber-Physical Systems With State Delay and Sparse Sensor Attacks. <i>IEEE Access</i> , 2021, 9, 3261-3268.	2.6	4
50	An Efficient RPL-Based Mechanism for Node-to-Node Communications in IoT. <i>IEEE Internet of Things Journal</i> , 2021, 8, 7152-7169.	5.5	14
51	Microservice-Based Performance Problem Detection in Cyber-Physical System Software Updates. , 2021, , .		2
52	A Survey on IoT Applications in Smart Cities. <i>EAI/Springer Innovations in Communication and Computing</i> , 2022, , 179-204.	0.9	6
53	Security and Effectiveness Analysis of the Gateway Integrity Checking Protocol. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2022, 19, 2396-2404.	3.7	0
54	A shared computational model using distributed processing in a CPS enabled environment. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
56	Proposal for Information and Communications Technologies that Are Essential to Smart City Dimensions. Lecture Notes in Electrical Engineering, 2019, , 225-240.	0.3	0
57	A Cyber-Physical System Modelling Framework for an Intelligent Urban Traffic System. Computacion Y Sistemas, 2019, 23, .	0.2	0
58	Wearable inertial sensors to recognize basic human motion: What technology for what activity?. , 2020, , .		0
59	FaTEMa: A Framework for Multi-Layer Fault Tolerance in IoT Systems. Sensors, 2021, 21, 7181.	2.1	3
61	Adaptive tracking control of switched cyber-physical systems with cyberattacks. Applied Mathematics and Computation, 2022, 415, 126721.	1.4	7
62	AutoloT. , 2020, , .		13
63	Data quality challenges in large-scale cyber-physical systems: A systematic review. Information Systems, 2022, 105, 101951.	2.4	22
64	Industrial digital twins at the nexus of NextG wireless networks and computational intelligence: A survey. Journal of Network and Computer Applications, 2022, 200, 103309.	5.8	41
65	An Intelligent IoT Framework for Handling Multidimensional Data Generated by IoT Gadgets. , 2022, , 199-228.		1
66	CPS: Role, Characteristics, Architectures and Future Potentials. Procedia Computer Science, 2022, 200, 1347-1358.	1.2	5
67	A Triple Human-Digital Twin Architecture for Cyber-Physical Systems. CMES - Computer Modeling in Engineering and Sciences, 2022, 131, 1557-1578.	0.8	2
68	Green Building Design Based on 5G Network and Internet of Things System. Journal of Sensors, 2022, 2022, 1-14.	0.6	2
69	BMDD: a novel approach for IoT platform (broker-less and microservice architecture, decentralized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	10
70	IoTRepair: Flexible Fault Handling in Diverse IoT Deployments. ACM Transactions on Internet of Things, 2022, 3, 1-33.	3.4	5
71	Hippo-CPS: Verification of Boundedness, Safeness and Liveness of Petri Net-Based Cyber-Physical Systems. IFIP Advances in Information and Communication Technology, 2022, , 74-82.	0.5	7
72	Commlib: An easy-to-use communication library for Cyber-Physical Systems. SoftwareX, 2022, 19, 101180.	1.2	0
73	Robust Security Control Under Denial-of-service Jamming Attacks: An Event-triggered Sliding-mode Control Approach. International Journal of Control, Automation and Systems, 2022, 20, 3892-3902.	1.6	2
74	Analysis of Control Part of Cyber-Physical Systems Specified by Interpreted Petri Nets. , 2022, , .		4

#	ARTICLE	IF	CITATIONS
75	A Mixed Reality-Based Platform towards Human-Cyber-Physical Systems with IoT Wearable Device for Occupational Safety and Health Training. Applied Sciences (Switzerland), 2022, 12, 12009.	1.3	5
76	A Survey of Cyber-Physical Systems Applications (2017â€“2022). , 2022, , 1-29.		0
77	Adaptive tracking control of unknown state target for CPSs subjected to cyberattacks. , 2022, , .		0
78	Designing Reconfigurable Cyber-Physical Systems Using Unified Modeling Language. Energies, 2023, 16, 1273.	1.6	4
79	Reachable Set Control for Cyber-Physical Systems with False Data Injection Attacks. , 2023, , .		0
80	Hippo-CPS: A Tool for Verification and Analysis of Petri Net-Based Cyber-Physical Systems. Lecture Notes in Computer Science, 2023, , 191-204.	1.0	0
81	A Study of Smart Evolution on AI-Based Cyber-Physical System Using Blockchain Techniques. , 2023, , 327-346.		0
82	Preliminary Verification of Liveness in a Control Part of Cyber-Physical Systems Modeled by a Petri Net. IFIP Advances in Information and Communication Technology, 2023, , 205-215.	0.5	0
84	A Survey of Cyber-physical Systems Applications (2017â€“2022). , 2023, , 2089-2117.		1