Christos Tsigkanos

List of Publications by Year
in descending order

42 papers	591 citations	1039406 9 h-index	887659 17 g-index
42 all docs	42 docs citations	42 times ranked	426 citing authors

#	Article	IF	Citations
1	Software Engineering for Smart Cyber-Physical Systems. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2017, 42, 19-24.	0.5	49
2	Specification Patterns for Robotic Missions. IEEE Transactions on Software Engineering, 2021, 47, 2208-2224.	4.3	45
3	On the Interplay Between Cyber and Physical Spaces for Adaptive Security. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 466-480.	3.7	40
4	Modeling and verification of evolving cyber-physical spaces. , 2017, , .		36
5	Static and dynamic balance deficiencies in chronic low back pain. Journal of Back and Musculoskeletal Rehabilitation, 2016, 29, 887-893.	0.4	34
6	Decentralized Resource Auctioning for Latency-Sensitive Edge Computing. , 2019, , .		29
7	Topology aware adaptive security. , 2014, , .		28
8	Architecting dynamic cyber-physical spaces. Computing (Vienna/New York), 2016, 98, 1011-1040.	3.2	28
9	Engineering topology aware adaptive security: Preventing requirements violations at runtime. , 2014, , .		20
10	Modelling and Analysing Resilient Cyber-Physical Systems. , 2019, , .		19
11	PsALM: Specification of Dependable Robotic Missions. , 2019, , .		18
12	Towards Resilient Internet of Things: Vision, Challenges, and Research Roadmap. , 2019, , .		18
13	Property specification patterns for robotic missions. , 2018, , .		17
14	Ariadne: Topology Aware Adaptive Security for Cyber-Physical Systems. , 2015, , .		16
15	Inferring Analyzable Models from Trajectories of Spatially-Distributed Internet of Things. , 2019, , .		15
16	Architectural Considerations for Privacy on the Edge. IEEE Internet Computing, 2019, 23, 76-83.	3.2	15
17	Edge-to-Edge Resource Discovery using Metadata Replication. , 2019, , .		15
18	Adding static and dynamic semantics to building information models. , 2016, , .		14

#	Article	IF	Citations
19	Resource Management for Latency-Sensitive IoT Applications With Satisfiability. IEEE Transactions on Services Computing, 2022, 15, 2982-2993.	3.2	14
20	Early validation of cyber–physical space systems via multi-concerns integration. Journal of Systems and Software, 2020, 170, 110742.	3.3	13
21	POET: Privacy on the Edge with Bidirectional Data Transformations. , 2019, , .		11
22	Dependable Resource Coordination on the Edge at Runtime. Proceedings of the IEEE, 2019, 107, 1520-1536.	16.4	11
23	Topology-Aware Access Control of Smart Spaces. Computer, 2017, 50, 54-63.	1.2	10
24	Scalable multiple-view analysis of reactive systems via bidirectional model transformations. , 2020, , .		9
25	On early statistical requirements validation of cyber-physical space systems. , 2018, , .		8
26	RoboMAX: Robotic Mission Adaptation eXemplars. , 2021, , .		8
27	Edge-Based Runtime Verification for the Internet of Things. IEEE Transactions on Services Computing, 2022, 15, 2713-2727.	3.2	7
28	Engineering Resilient Collaborative Edge-Enabled IoT. , 2019, , .		6
29	Connectivity Technology Selection and Deployment Strategies for IoT Service Provision Over LPWAN. IEEE Internet Computing, 2021, 25, 61-70.	3.2	5
30	Adaptive Management of Volatile Edge Systems at Runtime With Satisfiability. ACM Transactions on Internet Technology, 2022, 22, 1-21.	3.0	5
31	Model-Driven Design of City Spaces via Bidirectional Transformations. , 2019, , .		4
32	Model-driven engineering city spaces via bidirectional model transformations. Software and Systems Modeling, 2021, 20, 2003-2022.	2.2	4
33	Formal Methods in Designing Critical Cyber-Physical Systems. Lecture Notes in Computer Science, 2019, , 110-130.	1.0	4
34	On Formalizing and Identifying Patterns in Cloud Workload Specifications. , 2016, , .		3
35	Engineering Heterogeneous Internet of Things Applications: From Models to Code. , 2019, , .		3
36	An EMOF-Compliant Abstract Syntax for Bigraphs. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 231, 16-30.	0.8	3

#	Article	IF	Citations
37	Cloud Deployment Tradeoffs for the Analysis of Spatially Distributed Internet of Things Systems. ACM Transactions on Internet Technology, 2020, 20, 1-23.	3.0	3
38	DataOps for Cyber-Physical Systems Governance: The Airport Passenger Flow Case. ACM Transactions on Internet Technology, 2021, 21, 1-25.	3.0	2
39	A Transformational Approach to Managing Data Model Evolution of Web Services. IEEE Transactions on Services Computing, 2022, , 1-1.	3.2	2
40	How Do Firms Transact? Guesstimation and Validation of Financial Transaction Networks with Satisfiability. , 2019, , .		0
41	Updating Service-Based Software Systems in Air-Gapped Environments. Lecture Notes in Computer Science, 2021, , 147-163.	1.0	0
42	On Dependable Cyber-Physical Spaces of Critical Infrastructures. Profiles in Operations Research, 2020, , 157-176.	0.3	0