

Patricia Derler

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

997
citations

1683354

5
h-index

1473754

9
g-index

30
all docs

30
docs citations

30
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Cyber-Physical Systems. Proceedings of the IEEE, 2012, 100, 13-28.	16.4	566
2	Cyber-physical system design contracts. , 2013, , .		82
3	Systems Engineering for Industrial Cyber-Physical Systems Using Aspects. Proceedings of the IEEE, 2016, 104, 997-1012.	16.4	57
4	Aspect-oriented Modeling of Attacks in Automotive Cyber-Physical Systems. , 2014, , .		53
5	Execution Strategies for PTIDES, a Programming Model for Distributed Embedded Systems. , 2009, , .		30
6	Distributed Simulation of Heterogeneous and Real-Time Systems. , 2013, , .		22
7	Model-based evaluation of GPS spoofing attacks on power grid sensors. , 2013, , .		15
8	Time in cyber-physical systems. , 2016, , .		14
9	Reactors: A Deterministic Model for Composable Reactive Systems. Lecture Notes in Computer Science, 2020, , 59-85.	1.0	14
10	Timestamp Temporal Logic (TTL) for Testing the Timing of Cyber-Physical Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-20.	2.1	12
11	Network latency and packet delay variation in cyber-physical systems. , 2011, , .		11
12	Simulation and Implementation of the PTIDES Programming Model. , 2008, , .		10
13	Using Pptides and synchronized clocks to design distributed systems with deterministic system wide timing. , 2013, , .		7
14	A Testbed to Verify the Timing Behavior of Cyber-Physical Systems. , 2017, , .		6
15	Simulation of LET Models in Simulink and Ptolemy. Lecture Notes in Computer Science, 2010, , 83-92.	1.0	6
16	Towards a reconfigurable distributed testbed to enable advanced research and development of timing and synchronization in cyber-physical systems. , 2015, , .		5
17	Migration of Legacy Software Towards Correct-by-Construction Timing Behavior. Lecture Notes in Computer Science, 2011, , 55-76.	1.0	5
18	Design of mechatronic systems through aspect and object-oriented modeling. Automatisierungstechnik, 2016, 64, 244-252.	0.4	4

#	ARTICLE	IF	CITATIONS
19	Validator Tool Suite. Computational Analysis, Synthesis, and Design of Dynamic Models Series, 2012, , 199-218.	0.2	4
20	Flexible Static Scheduling of Software with Logical Execution Time Constraints. , 2010, , .		3
21	An efficient timestamp-based monitoring approach to test timing constraints of cyber-physical systems. , 2018, , .		2
22	Endlessly circulating messages in IEEE 1588-2008 systems. , 2014, , .		1
23	Specification of precise timing in synchronous dataflow models. , 2016, , .		1
24	Introduction to the Special Issue on Time for CPS (TCPS). ACM Transactions on Cyber-Physical Systems, 2021, 5, 1-2.	1.9	0
25	5 Modeling and Simulation of TDL Applications. Lecture Notes in Computer Science, 2010, , 107-128.	1.0	0