

Joachim Denil

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

199
citations

7
h-index

12
g-index

45
ext. papers

285
ext. citations

0.9
avg, IF

3.18
L-index

#	Paper	IF	Citations
38	An Architecture and Reference Implementation for WSN-Based IoT Systems. <i>Advances in Web Technologies and Engineering Book Series</i> , 2022 , 80-103	0.2	1
37	Hint-Based Configuration of Co-simulations with Algebraic Loops. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 1-28	0.4	3
36	Machine Learning-Based Fault Injection for Hazard Analysis and Risk Assessment. <i>Lecture Notes in Computer Science</i> , 2021 , 178-192	0.9	
35	Adaptivity in Distributed Agent-Based Simulation: A Generic Load-Balancing Approach. <i>Lecture Notes in Computer Science</i> , 2021 , 1-12	0.9	
34	Ontological reasoning in the design space exploration of advanced cyberphysical systems. <i>Microprocessors and Microsystems</i> , 2021 , 85, 104151	2.4	0
33	The Digital Twin as a Common Knowledge Base in DevOps to Support Continuous System Evolution. <i>Lecture Notes in Computer Science</i> , 2021 , 158-170	0.9	
32	Validity frame concept as effort-cutting technique within the verification and validation of complex cyber-physical systems 2020 ,		1
31	FTG+PM: Describing Engineering Processes in Multi-Paradigm Modelling 2020 , 259-271		2
30	Validity Frame Driven Computational Design Synthesis for Complex Cyber-Physical Systems. <i>Communications in Computer and Information Science</i> , 2020 , 82-90	0.3	
29	Platform-specific Modeling for RIOT based IoT Systems 2020 ,		5
28	Exploring Validity Frames in Practice. <i>Communications in Computer and Information Science</i> , 2020 , 131-148	3	
27	Exploring Fault Parameter Space Using Reinforcement Learning-based Fault Injection 2020 ,		7
26	A Framework for Temporal Verification Support in Domain-Specific Modelling. <i>IEEE Transactions on Software Engineering</i> , 2020 , 46, 362-404	3.5	7
25	Valid (Re-)Use of Models-of-the-Physics in Cyber-Physical Systems Using Validity Frames 2019 ,		5
24	Testing IoT systems using a hybrid simulation based testing approach. <i>Computing (Vienna/New York)</i> , 2019 , 101, 857-872	2.2	5
23	Model-Implemented Hybrid Fault Injection for Simulink (Tool Demonstrations). <i>Lecture Notes in Computer Science</i> , 2019 , 71-90	0.9	5
22	Leveraging Domain Knowledge for the Efficient Design-Space Exploration of Advanced Cyber-Physical Systems 2019 ,		2

21	A Model-Driven Engineering Framework to Support the Functional Safety Process 2019 ,			2
20	Challenges for Automation in Adaptive Abstraction 2019 ,			3
19	Reducing Computational Cost Of Large-Scale Simulations Using Opportunistic Model Approximation 2019 ,			2
18	Applying Model Driven Engineering Techniques to the Development of Contiki-Based IoT Systems 2019 ,			12
17	Validating Industrial Requirements with a Contract-Based Approach 2019 ,			4
16	Challenges of Modeling and Simulating Internet of Things Systems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2019 , 457-466		0.4	
15	Semantic adaptation for FMI co-simulation with hierarchical simulators. <i>Simulation</i> , 2019 , 95, 241-269	1.2		9
14	Acsim: Towards Hyper-scalable Internet of Things Simulation. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2018 , 743-750		0.4	
13	Towards evaluating emergent behavior of the internet of things using large scale simulation techniques (wip) 2018 ,			7
12	DEVS for AUTOSAR-based system deployment modeling and simulation. <i>Simulation</i> , 2017 , 93, 489-513	1.2		6
11	Ontological Reasoning as an Enabler of Contract-Based Co-design. <i>Lecture Notes in Computer Science</i> , 2017 , 101-115		0.9	0
10	Automated testing support for reactive domain-specific modelling languages 2016 ,			6
9	Ontological reasoning for consistency in the design of cyber-physical systems 2016 ,			5
8	Managing Heterogeneity in Model-Based Systems Engineering of Cyber-Physical Systems 2015 ,			4
7	Search-Based Model Optimization Using Model Transformations. <i>Lecture Notes in Computer Science</i> , 2014 , 80-95		0.9	15
6	A characterization of integrated multi-view modeling in the context of embedded and cyber-physical systems 2013 ,			33
5	Towards domain-specific property languages 2013 ,			7
4	FTG+PM: An Integrated Framework for Investigating Model Transformation Chains. <i>Lecture Notes in Computer Science</i> , 2013 , 182-202		0.9	18

- 3 The FTG+PM framework for multi-paradigm modelling **2012**, 14
- 2 Incorporation of AUTOSAR in an Embedded Systems Development Process: A Case Study **2011**, 6
- 1 Migrating from a Proprietary RTOS to the OSEK Standard Using a Wrapper. *Lecture Notes in Electrical Engineering*, **2011**, 241-254 0.2