Ansgar Fehnker

List of Publications by Year in descending order

53 papers	1,099 citations	516215 16 h-index	433756 31 g-index
59 all docs	59 docs citations	59 times ranked	561 citing authors

#	Article	IF	Citations
1	Automated Assessment of Learning Objectives in Programming Assignments. Lecture Notes in Computer Science, 2021, , 299-309.	1.0	4
2	Out for coffee: with Rob. Acta Informatica, 2020, 57, 323-327.	0.5	1
3	Tinkering in Informatics as Teaching Method. , 2020, , .		4
4	A Distributed Blockchain Model ofÂSelfish Mining. Lecture Notes in Computer Science, 2020, , 350-361.	1.0	0
5	Atelier. , 2020, , .		0
6	Detecting and Addressing Design Smells in Novice Processing Programs. Communications in Computer and Information Science, 2019, , 507-531.	0.4	5
7	Twenty Percent and a Few Days â€" Optimising a Bitcoin Majority Attack. Lecture Notes in Computer Science, 2018, , 157-163.	1.0	10
8	Adaptive Formal Framework for WMN Routing Protocols. Lecture Notes in Computer Science, 2018, , 175-195.	1.0	1
9	The Smell of Processing. , 2018, , .		1
10	Model Checking a Client-Side Micro Payment Protocol. , 2016, , .		0
11	Model Checking a Server-Side Micro Payment Protocol. Lecture Notes in Computer Science, 2015, , 96-110.	1.0	1
12	Modeling and verification for the server-side Netpay protocol. , 2014, , .		0
13	Model checking driven static analysis for the real world: designing and tuning large scale bug detection. Innovations in Systems and Software Engineering, 2013, 9, 45-56.	1.6	8
14	Topology-Based Mobility Models for Wireless Networks. Lecture Notes in Computer Science, 2013, , 389-404.	1.0	10
15	The Quest for Precision: A Layered Approach for Data Race Detection in Static Analysis. Lecture Notes in Computer Science, 2013, , 516-525.	1.0	0
16	A rigorous analysis of AODV and its variants. , 2012, , .		12
17	SMT-Based False Positive Elimination in Static Program Analysis. Lecture Notes in Computer Science, 2012, , 316-331.	1.0	23
18	Automated Analysis of AODV Using UPPAAL. Lecture Notes in Computer Science, 2012, , 173-187.	1.0	48

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19	High Performance Static Analysis for Industry. Electronic Notes in Theoretical Computer Science, 2012, 289, 3-14.	0.9	5
20	A Process Algebra for Wireless Mesh Networks. Lecture Notes in Computer Science, 2012, , 295-315.	1.0	53
21	Cyber security at software development time. , 2011, , .		0
22	Model checking dataflow for malicious input. , 2011, , .		2
23	Fade to Grey: Tuning Static Program Analysis. Electronic Notes in Theoretical Computer Science, 2010, 266, 17-32.	0.9	7
24	Counterexample Guided Path Reduction for Static Program Analysis. Lecture Notes in Computer Science, 2010, , 322-341.	1.0	6
25	Software Metrics in Static Program Analysis. Lecture Notes in Computer Science, 2010, , 485-500.	1.0	6
26	Survey on Directed Model Checking. Lecture Notes in Computer Science, 2009, , 65-89.	1.0	30
27	An Abstract Specification Language for Static Program Analysis. Electronic Notes in Theoretical Computer Science, 2009, 254, 181-197.	0.9	4
28	On the Impact of Modelling Choices for Distributed Information Spread. , 2009, , .		1
29	Automatic Bug Detection in Microcontroller Software by Static Program Analysis. Lecture Notes in Computer Science, 2009, , 267-278.	1.0	10
30	Some Assembly Required - Program Analysis of Embedded System Code. , 2008, , .		6
31	CaVi -- Simulation and Model Checking for Wireless Sensor Networks. , 2008, , .		7
32	Model Checking Software at Compile Time. , 2007, , .		22
33	Modelling and Verification of the LMAC Protocol for Wireless Sensor Networks. Lecture Notes in Computer Science, 2007, , 253-272.	1.0	58
34	HYBRID SYSTEM VERIFICATION IS NOT A SINECURE â€” THE ELECTRONIC THROTTLE CONTROL CASE STUDY. International Journal of Foundations of Computer Science, 2006, 17, 885-901.	0.8	2
35	Formal Verification and Simulation for Performance Analysis for Probabilistic Broadcast Protocols. Lecture Notes in Computer Science, 2006, , 128-141.	1.0	27
36	Refining Abstractions of Hybrid Systems Using Counterexample Fragments. Lecture Notes in Computer Science, 2005, , 242-257.	1.0	21

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37	Benchmarks for Hybrid Systems Verification. Lecture Notes in Computer Science, 2004, , 326-341.	1.0	120
38	Verification of a cruise control system using counterexample-guided search. Control Engineering Practice, 2004, 12, 1269-1278.	3.2	33
39	Verification of a cruise control system using counterexample-guided search*1. Control Engineering Practice, 2004, 12, 1269-1269.	3.2	2
40	Hybrid System Verification Is Not a Sinecure. Lecture Notes in Computer Science, 2004, , 263-277.	1.0	7
41	Abstraction and Counterexample-Guided Refinement in Model Checking of Hybrid Systems. International Journal of Foundations of Computer Science, 2003, 14, 583-604.	0.8	146
42	Specification-Guided Analysis of Hybrid Systems Using a Hierarchy of Validation Methods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 289-294.	0.4	4
43	Verification of Hybrid Systems Based on Counterexample-Guided Abstraction Refinement. Lecture Notes in Computer Science, 2003, , 192-207.	1.0	62
44	Verification and optimization of a PLC control schedule. International Journal on Software Tools for Technology Transfer, 2002, 4, 21-33.	1.7	29
45	As Cheap as Possible: Effcient Cost-Optimal Reachability for Priced Timed Automata. Lecture Notes in Computer Science, 2001, , 493-505.	1.0	87
46	Efficient Guiding Towards Cost-Optimality in UPPAAL. Lecture Notes in Computer Science, 2001, , 174-188.	1.0	72
47	UPPAAL - Now, Next, and Future. Lecture Notes in Computer Science, 2001, , 99-124.	1.0	43
48	Minimum-Cost Reachability for Priced Timed Automata. BRICS Report Series, 2001, 8, .	0.2	20
49	Efficient Guiding Towards Cost-Optimality in UPPAAL. BRICS Report Series, 2001, 8, .	0.2	11
50	Modeling and Verification of the Bitcoin Protocol. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 196, 46-60.	0.8	14
51	Evaluating the Stream Control Transmission Protocol Using Uppaal. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 244, 1-13.	0.8	9
52	Modelling, Verification, and Comparative Performance Analysis of the B.A.T.M.A.N. Protocol. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 244, 53-65.	0.8	5
53	Automated Program Analysis for Novice Programmers. , 0, , .		2