Antti Pakonen

List of Publications by Year
in descending order

23 papers	132 citations	1937685 4 h-index	2053705 5 g-index
23 all docs	23 docs citations	23 times ranked	69 citing authors

#	Article	IF	Citations
1	A toolset for model checking of PLC software. , 2013, , .		20
2	User-friendly formal specification languages - conclusions drawn from industrial experience on model checking. , 2016, , .		17
3	Model checking reveals design issues leading to spurious actuation of nuclear instrumentation and control systems. Reliability Engineering and System Safety, 2021, 205, 107237.	8.9	15
4	Counterexample visualization and explanation for function block diagrams. , 2018, , .		12
5	Model-Checking Detailed Fault-Tolerant Nuclear Power Plant Safety Functions. IEEE Access, 2019, 7, 162139-162156.	4.2	11
6	OWL based information agent services for process monitoring. , 2007, , .		10
7	Oeritte: User-Friendly Counterexample Explanation for Model Checking. IEEE Access, 2021, 9, 61383-61397.	4.2	9
8	Explicit-state and symbolic model checking of nuclear I&C systems: A comparison. , 2017, , .		7
9	A study on user-friendly formal specification languages for requirements formalization. , 2016, , .		6
10	Symmetry Breaking in Model Checking of Fault-Tolerant Nuclear Instrumentation and Control Systems. IEEE Access, 2020, 8, 197684-197694.	4.2	5
11	Proactive Computing in Process Monitoring: Information Agents for Operator Support. , 2006, , .		4
12	A fuzzy ontology based approach for mobilising industrial plant knowledge. , 2010, , .		3
13	Indirect Process Monitoring with Constraint Handling Agents. , 2006, , .		2
14	Verification of fault tolerant safety I&C systems using model checking. , 2019, , .		2
15	Applicability of AADL in modelling the overall I&C architecture of a nuclear power plant. , 2020, , .		2
16	Ontology-based approach for analyzing nuclear overall I&C architectures. , 2021, , .		2
17	Synthesis-Aided Reliability Assurance of Basic Block Models for Model Checking Purposes. , 2018, , .		1
18	Model-checking infinite-state nuclear safety I&C systems with nuXmv. , 2021, , .		1

#	Article	IF	Citations
19	Information Agents Handling Semantic Data as an Extension to Process Monitoring Systems. Lecture Notes in Computer Science, 2007, , 411-420.	1.3	1
20	Change-based causes in counterexample explanation for model checking. , 2021, , .		1
21	Visual counterexample explanation for model checking with OERITTE. , 2020, , .		1
22	Scalable methods of discrete plant model generation for closed-loop model checking. , 2017, , .		0
23	Transformation of non-standard nuclear I&C logic drawings to formal verification models. , 2020, , .		0