Paolo Lollini

List of Publications by Year
in descending order

60 papers	**412** citations

1162367

8 h-index

1058022

14 g-index

62 all docs	**62** docs citations

62 times ranked

256 citing authors

#	Article	IF	Citations
1	Stochastic Activity Networks Templates: Supporting Variability in Performability Models. IEEE Transactions on Reliability, 2022, 71, 640-656.	3.5	1
2	A cyber–physical–social approach for engineering Functional Safety Requirements for automotive systems. Journal of Systems and Software, 2022, 189, 111310.	3.3	4
3	A stochastic modeling approach for traffic analysis of a tramway system with virtual tags and local positioning. Journal of the Brazilian Computer Society, 2021, 27, .	0.8	1
4	IQCPSoS: A Model-Based Approach for Modeling and Analyzing Information Quality Requirements for Cyber-Physical System-of-Systems. Journal on Data Semantics, 2021, 10, 267-289.	2.0	1
5	A Template-Based Methodology for the Specification and Automated Composition of Performability Models. IEEE Transactions on Reliability, 2020, 69, 293-309.	3.5	10
6	FUSION—Fog Computing and Blockchain for Trusted Industrial Internet of Things. IEEE Transactions on Engineering Management, 2020, , 1-15.	2.4	12
7	An Eclipse-Based Editor for SAN Templates. Communications in Computer and Information Science, 2020, , 159-167.	0.4	1
8	Engineering Functional Safety Requirements for Automotive Systems: A Cyber-Physical-Social Approach. , 2019, , .		1
9	Performability Analysis of a Tramway System with Virtual Tags and Local Positioning. , 2019, , .		2
10	Addressing Verification and Validation Challenges in Future Cyber-Physical Systems. , 2019, , .		1
11	Toward a Model-Based Approach for Analyzing Information Quality Requirements for Smart Grid. , 2019, , .		1
12	System-of-Systems to Support Mobile Safety Critical Applications: Open Challenges and Viable Solutions. IEEE Systems Journal, 2018, 12, 250-261.	2.9	7
13	Systems–of–systems modeling using a comprehensive viewpoint–based SysML profile. Journal of Software: Evolution and Process, 2018, 30, e1878.	1.2	25
14	Labelling relevant events to support the crisis management operator. Journal of Software: Evolution and Process, 2018, 30, e1874.	1.2	2
15	On the Safety of Automotive Systems Incorporating Machine Learning Based Components: A Position Paper. , 2018, , .		18
16	Identification of critical situations via Event Processing and Event Trust Analysis. Knowledge and Information Systems, 2017, 52, 147-178.	2.1	9
17	A conceptual model for analyzing information quality in System-of-Systems. , 2017, , .		7
18	Towards an approach for analyzing trust in Cyber-Physical-Social Systems. , 2017, , .		6

#	Article	IF	Citations
19	Assessing the Impact of Cascading Failures in Urban Electricity Networks. , 2017, , .		0
20	Combining SAN and P-Graphs for the Analysis and Optimization of Industrial Processes. , 2016, , .		3
21	A Model-Based Approach to Support Safety-Related Decisions in the Petroleum Domain. , 2016, , .		2
22	On the Dependability for Dynamic Software Product Lines: A Comparative Systematic Mapping Study. , 2016, , .		1
23	A Holistic Viewpoint-Based SysML Profile to Design Systems-of-Systems. , 2016, , .		11
24	Presenting the Proper Data to the Crisis Management Operator: A Relevance Labelling Strategy. , 2016, , .		5
25	AMADEOS Framework and Supporting Tools. Lecture Notes in Computer Science, 2016, , 128-164.	1.0	2
26	AMADEOS SysML Profile for SoS Conceptual Modeling. Lecture Notes in Computer Science, 2016, , 97-127.	1.0	5
27	Software Faults Emulation at Model-Level: Towards Automated Software FMEA. , 2015, , .		4
28	Introducing Meta-Requirements for Describing System of Systems. , 2015, , .		8
29	Zarzirbird project: Modeling RPAS dynamics for load stability. , 2015, , .		0
30	Zarzirbird<sup>1</sup> project: Modeling RPAS dynamics for load stability. , 2015, , .		0
31	Executable Models to Support Automated Software FMEA. , 2015, , .		15
32	Quantifying the Impact of External Attacks on a Distributed Automatic Track Warning System. , 2015, , .		0
33	Continuous and Transparent User Identity Verification for Secure Internet Services. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 270-283.	3.7	25
34	A safety assessment on the use of CPDLC in UAS communication system. , 2014, , .		3
35	A DSL-Supported Workflow for the Automated Assembly of Large Stochastic Models. , 2014, , .		6
36	A Reusable Modular Toolchain for Automated Dependability Evaluation. , 2014, , .		7

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37	Meeting the challenges in the design and evaluation of a trackside real-time safety-critical system. , 2013, , .		1
38	Model-based analysis of a protocol for reliable communication in railway worksites. , 2012, , .		3
39	Adaptare. ACM Transactions on Autonomous and Adaptive Systems, 2012, 7, 1-25.	0.4	3
40	Quantitative Security Evaluation of a Multi-biometric Authentication System. Lecture Notes in Computer Science, 2012, , 209-221.	1.0	6
41	A Federated Simulation Framework with ATN Fault Injection Module for Reliablity Analysis of UAVs in Non-controlled Airspace. Lecture Notes in Computer Science, 2012, , 271-281.	1.0	0
42	The HIDENETS Holistic Approach for the Analysis of Large Critical Mobile Systems. IEEE Transactions on Mobile Computing, 2011, 10, 783-796.	3.9	7
43	Dependability Concerns in Model-Driven Engineering. , 2011, , .		14
44	Towards a MDE Transformation Workflow for Dependability Analysis. , 2011, , .		13
45	Definition, implementation and application of a model-based framework for analyzing interdependencies in electric power systems. International Journal of Critical Infrastructure Protection, 2011, 4, 24-40.	2.9	45
46	Towards a Federated Simulation Approach for Reliability Evaluation of Unmanned Aircraft Vehicles within Aeronautical Communcations Networking. , 2011, , .		1
47	Emergence: A New Source of Failures in Complex Systems. , 2010, , .		9
48	AMBER Roadmap: Ongoing Research Directions. , 2010, , .		1
49	Architecting and Validating Dependable Systems: Experiences and Visions. Lecture Notes in Computer Science, 2010, , 297-321.	1.0	4
50	Quantification of dependencies in electrical and information infrastructures: The CRUTIAL approach. , 2009, , .		10
51	Interdependency Analysis in Electric Power Systems. Lecture Notes in Computer Science, 2009, , 60-71.	1.0	5
52	Assessing the impact of interdependencies in electric power systems. International Journal of System of Systems Engineering, 2009, 1, 367.	0.4	2
53	QoS Perceived by Users of Ubiquitous UMTS: Compositional Models and Thorough Analysis. Journal of Software, 2009, 4, .	0.6	11
54	An integrated framework for the dependability evaluation of distributed mobile applications. , 2008, , .		8

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55	Evaluation of Critical Infrastructures: Challenges and Viable Approaches. Lecture Notes in Computer Science, 2008, , 52-77.	1.0	12
56	On a Modeling Framework for the Analysis of Interdependencies in Electric Power Systems. , 2007, , .		31
57	A Modular Approach for Model-Based Dependability Evaluation of a Class of Systems. Lecture Notes in Computer Science, 2005, , 160-174.	1.0	2
58	Evaluation of the Impact of Congestion on Service Availability in GPRS Infrastructures. Lecture Notes in Computer Science, 2005, , 180-195.	1.0	1
59	Model-based evaluation of a radio resource management system for wireless networks. , 2004, , .		4
60	A modeling methodology for hierarchical control system and its aplication. Journal of the Brazilian Computer Society, 2004, 10, 57-69.	0.8	4