

# Angelo Furfaro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8396148/publications.pdf>

Version: 2024-02-01

64  
papers

505  
citations

933447

10  
h-index

888059

17  
g-index

65  
all docs

65  
docs citations

65  
times ranked

404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using virtual environments for the assessment of cybersecurity issues in IoT scenarios. Simulation Modelling Practice and Theory, 2017, 73, 43-54.	3.8	43
2	An Agent Infrastructure over HLA for Distributed Simulation of Reconfigurable Systems and its Application to UAV Coordination*. Simulation, 2009, 85, 17-32.	1.8	34
3	Modelling and simulation of complex manufacturing systems using statechart-based actors. Simulation Modelling Practice and Theory, 2011, 19, 685-703.	3.8	28
4	Towards Security as a Service (SecaaS): On the modeling of Security Services for Cloud Computing. , 2014, , .		27
5	Application of the Artificial Neural Network for blood pressure evaluation with smartphones. , 2013, , .		22
6	MADAMS: A software architecture for the management of networked measurement services. Computer Standards and Interfaces, 2006, 28, 396-411.	5.4	19
7	A development methodology for embedded systems based on RT-DEVS. Innovations in Systems and Software Engineering, 2009, 5, 117-127.	2.1	19
8	Model checking time-dependent system specifications using Time Stream Petri Nets and Uppaal. Applied Mathematics and Computation, 2012, 218, 8160-8186.	2.2	18
9	Exploiting agents for modelling and simulation of coverage control protocols in large sensor networks. Journal of Systems and Software, 2007, 80, 1817-1832.	4.5	16
10	A Cloud-based platform for the emulation of complex cybersecurity scenarios. Future Generation Computer Systems, 2018, 89, 791-803.	7.5	15
11	A service-based architecture for dynamically reconfigurable workflows. Journal of Systems and Software, 2010, 83, 1148-1164.	4.5	14
12	HLA_ACTOR_REPAST: An approach to distributing RePast models for high-performance simulations. Simulation Modelling Practice and Theory, 2011, 19, 283-300.	3.8	14
13	Modelling and simulation of complex systems using TPN Designer. Simulation Modelling Practice and Theory, 2003, 11, 503-532.	3.8	10
14	Distributed simulation of modular time Petri nets: An approach and a case study exploiting temporal uncertainty. Real-Time Systems, 2006, 35, 153-179.	1.3	10
15	An Agent Infrastructure for Distributed Simulations over HLA and a Case Study Using Unmanned Aerial Vehicles. , 2007, , .		10
16	Development of a Schedulability Analysis Framework Based on pTPN and UPPAAL with Stopwatches. , 2012, , .		10
17	A Hybrid Real-Time Command Governor Supervisory Scheme for Constrained Control Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 924-936.	5.2	10
18	Exploiting N-Gram Location for Intrusion Detection. , 2015, , .		10

#	ARTICLE	IF	CITATIONS
19	Facing DDoS bandwidth flooding attacks. <i>Simulation Modelling Practice and Theory</i> , 2020, 98, 101984.	3.8	10
20	ID-Service: A Blockchain-Based Platform to Support Digital-Identity-Aware Service Accountability. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 165.	2.5	10
21	Multimedia synchronization based on aspect oriented programming. <i>Microprocessors and Microsystems</i> , 2004, 28, 47-56.	2.8	9
22	Actor-Based Simulation of PDEVS systems over HLA. <i>Simulation Symposium, Proceedings of the Annual</i> , 2008, , .	0.0	9
23	An Infrastructure for Service Accountability based on Digital Identity and Blockchain 3.0. , 2019, , .		9
24	Using time stream Petri nets for workflow modelling analysis and enactment. <i>Simulation</i> , 2013, 89, 68-86.	1.8	8
25	Achieving Service Accountability Through Blockchain and Digital Identity. <i>Lecture Notes in Business Information Processing</i> , 2018, , 16-23.	1.0	8
26	Management architecture for distributed measurement services [power demand monitoring and control system example]. , 0, , .		7
27	A fault-tolerant real-time supervisory scheme for an interconnected four-tank system. , 2010, , .		7
28	An hybrid command governor supervisory scheme for flight control systems subject to unpredictable anomalies. , 2013, , .		7
29	Honey-pot-Powered Malware Reverse Engineering. , 2016, , .		7
30	Modular Design of Real-Time Systems Using Hierarchical Communicating Real-time State Machines. <i>Real-Time Systems</i> , 2006, 32, 105-123.	1.3	5
31	A Simulation Model for the Analysis of DDoS Amplification Attacks. , 2015, , .		5
32	ResDevOps: A Software Engineering Framework for Achieving Long-Lasting Complex Systems. , 2016, , .		5
33	Cybersecurity compliance analysis as a service: Requirements specification and application scenarios. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4289.	2.2	5
34	Embedded Control Systems Design based on RT-DEVS and temporal analysis using UPPAAL. <i>Proceedings of the International Multiconference on Computer Science and Information Technology</i> , 2008, , .	0.0	4
35	Parallel Simulation of Multi-agent Systems Using Terracotta. , 2010, , .		4
36	An analytical processing approach to supporting cyber security compliance assessment. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
37	Modelling and Simulation of a Defense Strategy to Face Indirect DDoS Flooding Attacks. Lecture Notes in Computer Science, 2014, , 263-274.	1.3	4
38	Agent Methodological Layers In Repast Symphony. , 2013, , .		4
39	Making IoT Services Accountable: A Solution Based on Blockchain and Physically Unclonable Functions. Lecture Notes in Computer Science, 2019, , 294-305.	1.3	4
40	Integration and Interoperability between Jini services and Web Services. , 2007, , .		3
41	Distributed Simulation of RePast Models over HLA/Actors. , 2009, , .		3
42	Requirements specification of a cloud service for Cyber Security compliance analysis. , 2016, , .		3
43	Modeling Cyber Systemic Risk for the Business Continuity Plan of a Bank. Lecture Notes in Computer Science, 2016, , 158-174.	1.3	3
44	Exploiting Content Spatial Distribution to Improve Detection of Intrusions. ACM Transactions on Internet Technology, 2018, 18, 1-21.	4.4	3
45	Adaptive Ladder Queue. , 2018, , .		3
46	Image Classification Based on 2D Feature Motifs. Lecture Notes in Computer Science, 2013, , 340-351.	1.3	3
47	Real-Time Systems Development Using Hierarchical State Machines. Lecture Notes in Computer Science, 2003, , 110-121.	1.3	3
48	An Approach to Protocol Modeling and Validation. , 0, , .		2
49	Timed verification of hierarchical communicating real-time state machines. Computer Standards and Interfaces, 2007, 29, 635-646.	5.4	2
50	A Safe Supervisory Flight Control Scheme in the Presence of Constraints and Anomalies. International Journal of Applied Mathematics and Computer Science, 2015, 25, 39-51.	1.5	2
51	2D Motif Basis Applied to the Classification of Digital Images. Computer Journal, 0, , .	2.4	2
52	A hierarchical hybrid framework for modelling anomalous behaviours. Simulation Modelling Practice and Theory, 2018, 82, 103-115.	3.8	2
53	Distributed simulation of timed coloured Petri nets. , 0, , .		1
54	REAL-TIME CLIMATE CONTROL IN A COMPLEX GREENHOUSE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 271-276.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Temporal verification of RT-DEVS models with implementation aspects. , 2010, , .		1
56	A virtual environment for the enactment of realistic cyber security scenarios. , 2016, , .		1
57	Effectiveness of Content Spatial Distribution Analysis in Securing IoT Environments. , 2018, , .		1
58	Dynamic Sociality Minority Game. , 2011, , .		1
59	Agents Over The Grid: An Experience Using The Globus Toolkit 4. , 2012, , .		1
60	Aspect oriented programming using actors. , 0, , .		0
61	Remote Sensor Calibration Through MADAMS Services. , 2005, , .		0
62	Using time stream Petri nets over a service architecture for workflow modelling and enactment. , 2010, , .		0
63	A multi-protocol framework for the development of collaborative virtual environments. , 2015, , .		0
64	Exploiting Adaptive Ladder Queue into Repast Simulation platform. , 2018, , .		0