Emil C Lupu

List of Publications by Year
in descending order

78 papers	2,580 citations	471371 17 h-index	254106 43 g-index
85 all docs	85 docs citations	85 times ranked	1197 citing authors

#	Article	IF	Citations
1	The Ponder Policy Specification Language. Lecture Notes in Computer Science, 2001, , 18-38.	1.0	717
2	Conflicts in policy-based distributed systems management. IEEE Transactions on Software Engineering, 1999, 25, 852-869.	4.3	433
3	Security and management policy specification. IEEE Network, 2002, 16, 10-19.	4.9	105
4	An Adaptive Policy-Based Framework for Network Services Management. Journal of Network and Systems Management, 2003, 11, 277-303.	3.3	83
5	AMUSE: autonomic management of ubiquitous e-Health systems. Concurrency Computation Practice and Experience, 2008, 20, 277-295.	1.4	72
6	Towards A Role-Based Framework for Distributed Systems Management. Journal of Network and Systems Management, 1997, 5, 5-30.	3.3	70
7	Evolution of Attacks, Threat Models, and Solutions for Virtualized Systems. ACM Computing Surveys, 2016, 48, 1-38.	16.1	63
8	Ponder2: A Policy System for Autonomous Pervasive Environments. , 2009, , .		61
9	Detecting Malicious Data Injections in Wireless Sensor Networks. ACM Computing Surveys, 2015, 48, 1-33.	16.1	61
10	Expressive policy analysis with enhanced system dynamicity. , 2009, , .		54
11	The uses of role hierarchies in access control. , 1999, , .		50
12	Ponder2 - A Policy Environment for Autonomous Pervasive Systems. , 2008, , .		50
13	Procedural Noise Adversarial Examples for Black-Box Attacks on Deep Convolutional Networks. , 2019, , .		36
14	A lightweight policy system for body sensor networks. IEEE Transactions on Network and Service Management, 2009, 6, 137-148.	3.2	34
15	Securing body sensor networks: Sensor association and key management. , 2009, , .		33
16	Inductive Logic Programming in Answer Set Programming. Lecture Notes in Computer Science, 2012, , 91-97.	1.0	32
17	Using argumentation logic for firewall configuration management. , 2009, , .		31
18	Detecting Malicious Data Injections in Event Detection Wireless Sensor Networks. IEEE Transactions on Network and Service Management, 2015, 12, 496-510.	3.2	31

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19	Policy conflict analysis for diffserv quality of service management. IEEE Transactions on Network and Service Management, 2009, 6, 15-30.	3.2	30
20	Reconfigurable Architecture for Network Flow Analysis. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2008, 16, 57-65.	2.1	28
21	Indoor location estimation using multiple wireless technologies. , 0, , .		26
22	Policy refinement for diffserv quality of service management. , 0, , .		25
23	Self-Managed Cell: A Middleware for Managing Body-Sensor Networks. , 2007, , .		23
24	An argumentation reasoning approach for data processing. Computers in Industry, 2018, 94, 52-61.	5.7	22
25	Policy refinement for IP differentiated services Quality of Service management. IEEE Transactions on Network and Service Management, 2006, 3, 2-13.	3.2	21
26	The Coalition Policy Management Portal for Policy Authoring, Verification, and Deployment. , 2008, , .		21
27	Engineering Policy-Based Ubiquitous Systems. Computer Journal, 2010, 53, 1113-1127.	1.5	20
28	Enabling Data Sharing in Contextual Environments. , 2017, , .		19
29	An opportunistic authority evaluation scheme for data security in crisis management scenarios. , 2010, , .		15
30	Learning Rules from User Behaviour. IFIP Advances in Information and Communication Technology, 2009, , 459-468.	0.5	14
31	Policy-based Management for Body-Sensor Networks. , 2007, , 92-98.		14
32	A Policy Language for the Management of Distributed Agents. Lecture Notes in Computer Science, 2002, , 84-100.	1.0	13
33	Self-healing for Pervasive Computing Systems. Lecture Notes in Computer Science, 2010, , 1-25.	1.0	11
34	Federating Policy-Driven Autonomous Systems: Interaction Specification and Management Patterns. Journal of Network and Systems Management, 2015, 23, 753-793.	3.3	10
35	Decomposition techniques for policy refinement. , 2010, , .		9
36	Extracting Randomness from the Trend of IPI for Cryptographic Operations in Implantable Medical Devices. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 875-888.	3.7	9

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37	Object Removal Attacks on LiDAR-based 3D Object Detectors. , 2021, , .		9
38	Towards Supporting Interactions between Self-Managed Cells. , 2007, , .		8
39	An Efficient Policy System for Body Sensor Networks. , 2008, , .		8
40	Realising management and composition of Self-Managed Cells in pervasive healthcare. , 2009, , .		8
41	Self-Management Framework for Mobile Autonomous Systems. Journal of Network and Systems Management, 2012, 20, 244-275.	3.3	8
42	Determining Resilience Gains From Anomaly Detection for Event Integrity in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2018, 14, 1-35.	2.3	8
43	Policy-Based Management. , 2008, , 507-563.		8
44	PAES: Policy-Based Authority Evaluation Scheme. Lecture Notes in Computer Science, 2009, , 268-282.	1.0	8
45	An Efficient Access Control Model for Mobile Ad-Hoc Communities. Lecture Notes in Computer Science, 2005, , 210-224.	1.0	7
46	Finger: An efficient policy system for body sensor networks. , 2008, , .		7
47	Secure Dynamic Community Establishment in Coalitions. , 2007, , .		6
48	A policy-based management architecture for mobile collaborative teams. , 2009, , .		6
49	Self-managed Cells for Ubiquitous Systems. Lecture Notes in Computer Science, 2005, , 1-6.	1.0	6
50	Secure cross-domain data sharing architecture for crisis management. , 2010, , .		6
51	Verification of Policy-Based Self-Managed Cell Interactions Using Alloy. , 2009, , .		5
52	Vesta: A secure and autonomic system for pervasive healthcare. , 2009, , .		5
53	Universal Adversarial Robustness of Texture and Shape-Biased Models. , 2021, , .		5
54	Formalizing Threat Models for Virtualized Systems. Lecture Notes in Computer Science, 2016, , 251-267.	1.0	5

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55	Revising Process Models through Inductive Learning. Lecture Notes in Business Information Processing, 2011, , 182-193.	0.8	5
56	Refinement of History-Based Policies. Lecture Notes in Computer Science, 2011, , 280-299.	1.0	5
57	Adaptive self-management of teams of autonomous vehicles. , 2008, , .		5
58	Mission Support for Drones. , 2017, , .		4
59	Unity is strength!. , 2017, , .		4
60	Jacobian Regularization for Mitigating Universal Adversarial Perturbations. Lecture Notes in Computer Science, 2021, , 202-213.	1.0	4
61	A Labelling System for Derived Data Control. Lecture Notes in Computer Science, 2010, , 65-80.	1.0	4
62	Security policy refinement using data integration. , 2009, , .		4
63	A Mission Management Framework for Unmanned Autonomous Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 222-235.	0.2	4
64	Dynamic Ontology Mapping for Interacting Autonomous Systems. Lecture Notes in Computer Science, 2007, , 255-263.	1.0	3
65	Autonomous Pervasive Systems and the Policy Challenges of a Small World!. , 2007, , .		3
66	Policy Support for Autonomous Swarms of Drones. Lecture Notes in Computer Science, 2018, , 56-70.	1.0	3
67	Ponder2 - Policy-Based Self Managed Cells. Lecture Notes in Computer Science, 2007, , 230-230.	1.0	3
68	Distributed Abductive Reasoning with Constraints. Lecture Notes in Computer Science, 2011, , 148-166.	1.0	3
69	Access Control and Quality Attributes of Open Data: Applications and Techniques. Lecture Notes in Business Information Processing, 2019, , 603-614.	0.8	2
70	An Argumentation-Based Reasoner to Assist Digital Investigation and Attribution of Cyber-Attacks. Forensic Science International: Digital Investigation, 2020, 32, 300925.	1.2	2
71	Title is missing!. Journal of Network and Systems Management, 2001, 9, 249-252.	3.3	1
72	A policy system to support adaptability and security on body sensors. , 2008, , .		1

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73	Coordinating Data Usage Control in Loosely-Connected Networks. , 2010, , .		1
74	On re-assembling self-managed components. , 2015, , .		1
75	Towards Learning Privacy Policies. , 2007, , .		0
76	Can CORBA Save a Fringe Language from Becoming Obsolete?. , 1999, , 273-286.		0
77	Policy Technologies for Security Management in Coalition Networks. , 0, , 750-776.		0
78	Abstractions to Support Interactions Between Self-Managed Cells. Lecture Notes in Computer Science, 2007, , 160-163.	1.0	0