

Ulrik Franke

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,216
citations

516215

16
h-index

476904

29
g-index

79
all docs

79
docs citations

79
times ranked

874
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyber situational awareness – A systematic review of the literature. Computers and Security, 2014, 46, 18-31.	4.0	217
2	Enterprise Architecture Meta Models for IT/Business Alignment Situations. , 2010, , .		61
3	Can the Common Vulnerability Scoring System be Trusted? A Bayesian Analysis. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 1002-1015.	3.7	60
4	The cyber insurance market in Sweden. Computers and Security, 2017, 68, 130-144.	4.0	57
5	Veracity assessment of online data. Decision Support Systems, 2020, 129, 113132.	3.5	43
6	Quantifying Success Factors for IT Projects – An Expert-Based Bayesian Model. Information Systems Management, 2014, 31, 21-36.	3.2	42
7	Optimal IT Service Availability: Shorter Outages, or Fewer?. IEEE Transactions on Network and Service Management, 2012, 9, 22-33.	3.2	40
8	Vehicle to Grid – Monte Carlo simulations for optimal Aggregator strategies. , 2010, , .		36
9	A Tool for Enterprise Architecture Analysis Using the PRM Formalism. Lecture Notes in Computer Science, 2011, , 108-121.	1.0	30
10	Enterprise architecture availability analysis using fault trees and stakeholder interviews. Enterprise Information Systems, 2014, 8, 1-25.	3.3	29
11	Experimental Evidence on Decision-Making in Availability Service Level Agreements. IEEE Transactions on Network and Service Management, 2016, 13, 58-70.	3.2	26
12	EAF2- A Framework for Categorizing Enterprise Architecture Frameworks. , 2009, , .		25
13	Cyber-threat perception and risk management in the Swedish financial sector. Computers and Security, 2021, 105, 102239.	4.0	25
14	Availability of enterprise IT systems: an expert-based Bayesian framework. Software Quality Journal, 2012, 20, 369-394.	1.4	23
15	An architecture framework for enterprise IT service availability analysis. Software and Systems Modeling, 2014, 13, 1417-1445.	2.2	22
16	Data Collection Prioritization for System Quality Analysis. Electronic Notes in Theoretical Computer Science, 2009, 233, 29-42.	0.9	21
17	The Distribution of Time to Recovery of Enterprise IT Services. IEEE Transactions on Reliability, 2014, 63, 858-867.	3.5	21
18	P2AMF: Predictive, Probabilistic Architecture Modeling Framework. Lecture Notes in Business Information Processing, 2013, , 104-117.	0.8	20

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19	An architecture modeling framework for probabilistic prediction. Information Systems and E-Business Management, 2014, 12, 595-622.	2.2	18
20	A decision-making process-line for selection of software asset origins and components. Journal of Systems and Software, 2018, 135, 88-104.	3.3	17
21	Automating threat modeling using an ontology framework. Cybersecurity, 2020, 3, .	3.1	17
22	Measuring the impact of enterprise integration on firm performance using data envelopment analysis. International Journal of Production Economics, 2018, 200, 119-129.	5.1	16
23	Quantifying IT Impacts on Organizational Structure and Business Value with Extended Influence Diagrams. Lecture Notes in Business Information Processing, 2008, , 138-152.	0.8	16
24	Enterprise Meta Modeling Methods – Combining a Stakeholder-Oriented and a Causality-Based Approach. Lecture Notes in Business Information Processing, 2009, , 381-393.	0.8	16
25	A Tool for Interoperability Analysis of Enterprise Architecture Models using Pi-OCL. , 2010, , 81-90.		15
26	Cyber Situational Awareness Testing. Advanced Sciences and Technologies for Security Applications, 2016, , 209-233.	0.4	14
27	A probabilistic approach to IT risk management in the Basel regulatory framework. Journal of Financial Regulation and Compliance, 2017, 25, 176-195.	0.7	14
28	The cyber-insurance market in Norway. Information and Computer Security, 2019, 28, 54-67.	1.5	14
29	Enterprise IT service downtime cost and risk transfer in a supply chain. Operations Management Research, 2020, 13, 94-108.	5.0	14
30	A Tool for Enterprise Architecture Analysis of Maintainability. , 2009, , .		13
31	Nordic lights? National AI policies for doing well by doing good. Journal of Cyber Policy, 2020, 5, 332-349.	0.8	13
32	Trends in Enterprise Architecture Practice – A Survey. Lecture Notes in Business Information Processing, 2010, , 16-29.	0.8	12
33	Vehicle to grid – Reference architectures for the control markets in Sweden and Germany. , 2010, , .		10
34	Analysis of IT/Business Alignment Situations as a Precondition for the Design and Engineering of Situated IT/Business Alignment Solutions. , 2011, , .		10
35	Supporting Strategic Decision-Making for Selection of Software Assets. Lecture Notes in Business Information Processing, 2016, , 1-15.	0.8	10
36	Automated architecture modeling for enterprise technology management using principles from data fusion: A security analysis case. , 2016, , .		9

#	ARTICLE	IF	CITATIONS
37	Using cyber defense exercises to obtain additional data for attacker profiling. , 2016, , .		9
38	An Enterprise Architecture framework for application consolidation in the Swedish Armed Forces. , 2009, , .		7
39	Modeling the IT Impact on Organizational Structure. , 2009, , .		7
40	IT Consolidation: An Optimization Approach. , 2010, , .		7
41	Probabilistic availability analysis of control and automation systems for active distribution networks. , 2010, , .		7
42	Availability of a SCADA/OMS/DMS system — A case study. , 2010, , .		7
43	Information Requirements for National Level Cyber Situational Awareness. , 2018, , .		7
44	Cyber Insurance Against Electronic Payment Service Outages. Lecture Notes in Computer Science, 2018, , 73-84.	1.0	7
45	A test of intrusion alert filtering based on network information. Security and Communication Networks, 2015, 8, 2291-2301.	1.0	6
46	Data Integration Using Machine Learning. , 2016, , .		6
47	What can we learn from enterprise architecture models? An experiment comparing models and documents for capability development. Software and Systems Modeling, 2018, 17, 695-711.	2.2	6
48	A survey of cyber security in the Swedish manufacturing industry. , 2020, , .		6
49	Decision support oriented Enterprise Architecture metamodel management using classification trees. , 2009, , .		5
50	Characterization of trade-off preferences between non-functional properties. Information Systems, 2018, 74, 86-102.	2.4	5
51	Sharing of Vulnerability Information Among Companies â€œ A Survey of Swedish Companies. , 2019, , .		5
52	Demand side expectations of cyber insurance. , 2019, , .		5
53	Transparency and insurance professionals: a study of Swedish insurance practice attitudes and future development. Geneva Papers on Risk and Insurance: Issues and Practice, 2021, 46, 547-572.	1.1	5
54	An Experiment in SLA Decision-Making. Lecture Notes in Computer Science, 2013, , 256-267.	1.0	5

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55	Benefits of Enterprise Integration: Review, Classification, and Suggestions for Future Research. Lecture Notes in Business Information Processing, 2012, , 34-45.	0.8	5
56	An Empirical Investigation of the Right to Explanation Under GDPR in Insurance. Lecture Notes in Computer Science, 2020, , 125-139.	1.0	5
57	Towards Automatic Veracity Assessment of Open Source Information. , 2015, , .		4
58	Modeling and analyzing systems-of-systems in the multi-attribute prediction language (MAPL). , 2016, , .		4
59	Risks and assets: a qualitative study of a software ecosystem in the mining industry. , 2019, , .		4
60	Towards Increased Transparency with Value Sensitive Design. Lecture Notes in Computer Science, 2020, , 3-15.	1.0	4
61	Rawls's Original Position and Algorithmic Fairness. Philosophy and Technology, 2021, 34, 1803-1817.	2.6	4
62	Enterprise Architecture Analysis with Production Functions. , 2014, , .		3
63	A Framework for Automatic IT Architecture Modeling: Applying Truth Discovery. Complex Systems Informatics and Modeling Quarterly, 2019, , 20-56.	0.5	3
64	A Method for Choosing Software Assessment Measures Using Bayesian Networks and Diagnosis. , 2009, , .		2
65	Towards Preference Elicitation for Trade-Offs between Non-Functional Properties. , 2016, , .		2
66	Analysis of Enterprise Architecture Evolution Using Markov Decision Processes. Lecture Notes in Business Information Processing, 2016, , 37-51.	0.8	2
67	IT service outage cost: case study and implications for cyber insurance. Geneva Papers on Risk and Insurance: Issues and Practice, 2020, 45, 760-784.	1.1	2
68	A Census of Swedish Public Sector Employee Communication on Cybersecurity during the COVID-19 Pandemic. , 2021, , .		2
69	The Cost of Incidents in Essential Services Data from Swedish NIS Reporting. Lecture Notes in Computer Science, 2021, , 116-129.	1.0	2
70	First- and Second-Level Bias in Automated Decision-making. Philosophy and Technology, 2022, 35, 1.	2.6	2
71	Explaining automated decision-making: a multinational study of the GDPR right to meaningful information. Geneva Papers on Risk and Insurance: Issues and Practice, 2022, 47, 669-697.	1.1	2
72	A formal method for cost and accuracy trade-off analysis in software assessment measures. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
73	Prospects for Detecting Deception on Twitter. , 2014, , .		1
74	Bridging the gap between business and technology in strategic decision-making for cyber security management. , 2016, , .		1
75	Two simple models of business interruption accumulation risk in cyber insurance. , 2019, , .		1
76	Observable Cyber Risk on Cournot Oligopoly Data Storage Markets. Risks, 2020, 8, 119.	1.3	1
77	Cyber situational awareness issues and challenges. , 2022, , 235-265.		1
78	Vehicle to grid: system reference architectures and Monte Carlo simulations. International Journal of Vehicle Autonomous Systems, 2013, 11, 205.	0.2	0
79	An experiment in ontology use for command and control interoperability. Automated Software Engineering, 2015, 22, 145-157.	2.2	0