Ulrik Franke

List of Publications by Year in Descending Order

76 papers	832 citations	16 h-index	25 g-index
79 ext. papers	1,038 ext. citations	2.1 avg, IF	4.99 L-index

#	Paper	IF	Citations
76	First- and Second-Level Bias in Automated Decision-making. *Philosophy and Technology*, **2022**, 35, 1	3.6	0
75	Cyber situational awareness issues and challenges **2022**, 235-265		0
74	The Cost of Incidents in Essential Services Data from Swedish NIS Reporting. *Lecture Notes in Computer Science*, **2021**, 116-129	0.9	
73	Rawls Original Position and Algorithmic Fairness. *Philosophy and Technology*, **2021**, 34, 1803	3.6	3
72	Cyber-threat perception and risk management in the Swedish financial sector. *Computers and Security*, **2021**, 105, 102239	4.9	11
71	A Census of Swedish Public Sector Employee Communication on Cybersecurity during the COVID-19 Pandemic **2021**,		2
70	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, 1-26	1.2	2
69	Nordic lights? National AI policies for doing well by doing good. *Journal of Cyber Policy*, **2020**, 5, 332-349	1	2
68	Enterprise IT service downtime cost and risk transfer in a supply chain. *Operations Management Research*, **2020**, 13, 94-108	3.6	6
67	Automating threat modeling using an ontology framework. *Cybersecurity*, **2020**, 3,	5	6
66	An Empirical Investigation of the Right to Explanation Under GDPR in Insurance. *Lecture Notes in Computer Science*, **2020**, 125-139	0.9	4
65	Towards Increased Transparency with Value Sensitive Design. *Lecture Notes in Computer Science*, **2020**, 3-15	0.9	2
64	Veracity assessment of online data. *Decision Support Systems*, **2020**, 129, 113132	5.6	18
63	Observable Cyber Risk on Cournot Oligopoly Data Storage Markets. *Risks*, **2020**, 8, 119	1.6	1
62	IT service outage cost: case study and implications for cyber insurance. *Geneva Papers on Risk and Insurance: Issues and Practice*, **2020**, 45, 760-784	1.2	1
61	A survey of cyber security in the Swedish manufacturing industry **2020**,		2
60	Risks and assets: a qualitative study of a software ecosystem in the mining industry **2019**,		3

59	A Framework for Automatic IT Architecture Modeling: Applying Truth Discovery. *Complex Systems Informatics and Modeling Quarterly*, **2019**, 20-56	0.9	2
58	The cyber-insurance market in Norway. *Information and Computer Security*, **2019**, 28, 54-67	1.4	6
57	Sharing of Vulnerability Information Among Companies ⎯A Survey of Swedish Companies **2019**,		4
56	Demand side expectations of cyber insurance **2019**,		2
55	Two simple models of business interruption accumulation risk in cyber insurance **2019**,		1
54	Measuring the impact of enterprise integration on firm performance using data envelopment analysis. *International Journal of Production Economics*, **2018**, 200, 119-129	9.3	8
53	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	1.9	3
52	Can the Common Vulnerability Scoring System be Trusted? A Bayesian Analysis. *IEEE Transactions on Dependable and Secure Computing*, **2018**, 15, 1002-1015	3.9	27
51	A decision-making process-line for selection of software asset origins and components. *Journal of Systems and Software*, **2018**, 135, 88-104	3.3	13
50	Characterization of trade-off preferences between non-functional properties. *Information Systems*, **2018**, 74, 86-102	2.7	3
49	Cyber Insurance Against Electronic Payment Service Outages. *Lecture Notes in Computer Science*, **2018**, 73-84	0.9	7
48	Information Requirements for National Level Cyber Situational Awareness **2018**,		2
47	The cyber insurance market in Sweden. *Computers and Security*, **2017**, 68, 130-144	4.9	37
46	A probabilistic approach to IT risk management in the Basel regulatory framework. *Journal of Financial Regulation and Compliance*, **2017**, 25, 176-195	0.7	9
45	Using cyber defense exercises to obtain additional data for attacker profiling **2016**,		6
44	Towards Preference Elicitation for Trade-Offs between Non-Functional Properties **2016**,		2
43	Analysis of Enterprise Architecture Evolution Using Markov Decision Processes. *Lecture Notes in Business Information Processing*, **2016**, 37-51	0.6	2
42	Cyber Situational Awareness Testing. *Advanced Sciences and Technologies for Security Applications*, **2016**, 209-233	0.6	11

No.	Title		
41	Supporting Strategic Decision-Making for Selection of Software Assets. *Lecture Notes in Business Information Processing*, **2016**, 1-15	0.6	7
40	Experimental Evidence on Decision-Making in Availability Service Level Agreements. *IEEE Transactions on Network and Service Management*, **2016**, 13, 58-70	4.8	22
39	Automated architecture modeling for enterprise technology manageme using principles from data fusion: A security analysis case **2016**,		6
38	Data Integration Using Machine Learning **2016**,		4
37	An experiment in ontology use for command and control interoperability. *Automated Software Engineering*, **2015**, 22, 145-157	1.5	
36	Towards Automatic Veracity Assessment of Open Source Information **2015**,		1
35	A test of intrusion alert filtering based on network information. *Security and Communication Networks*, **2015**, 8, 2291-2301	1.9	6
34	An architecture modeling framework for probabilistic prediction. *Information Systems and E-Business Management*, **2014**, 12, 595-622	2.6	13
33	Quantifying Success Factors for IT Projects An Expert-Based Bayesian Model. *Information Systems Management*, **2014**, 31, 21-36	3.1	34
32	Cyber situational awareness A systematic review of the literature. *Computers and Security*, **2014**, 46, 18-31	4.9	160
31	Enterprise architecture availability analysis using fault trees and stakeholder interviews. *Enterprise Information Systems*, **2014**, 8, 1-25	3.5	21
30	The Distribution of Time to Recovery of Enterprise IT Services. *IEEE Transactions on Reliability*, **2014**, 63, 858-867	4.6	17
29	Prospects for Detecting Deception on Twitter **2014**,		1
28	Enterprise Architecture Analysis with Production Functions **2014**,		2
27	An architecture framework for enterprise IT service availability analysis. *Software and Systems Modeling*, **2014**, 13, 1417-1445	1.9	14
26	Vehicle to grid: system reference architectures and Monte Carlo simulations. *International Journal of Vehicle Autonomous Systems*, **2013**, 11, 205	0.4	
25	An Experiment in SLA Decision-Making. *Lecture Notes in Computer Science*, **2013**, 256-267	0.9	5
24	P2AMF: Predictive, Probabilistic Architecture Modeling Framework. *Lecture Notes in Business Information Processing*, **2013**, 104-117	0.6	16

23	Optimal IT Service Availability: Shorter Outages, or Fewer?. *IEEE Transactions on Network and Service Management*, **2012**, 9, 22-33	4.8	36
22	Availability of enterprise IT systems: an expert-based Bayesian framework. *Software Quality Journal* , **2012**, 20, 369-394	1.2	20
21	Benefits of Enterprise Integration: Review, Classification, and Suggestions for Future Research. *Lecture Notes in Business Information Processing*, **2012**, 34-45	0.6	2
20	Analysis of IT/Business Alignment Situations as a Precondition for the Design and Engineering of Situated IT/Business Alignment Solutions **2011**,		8
19	A Tool for Enterprise Architecture Analysis Using the PRM Formalism. *Lecture Notes in Computer Science*, **2011**, 108-121	0.9	25
18	Trends in Enterprise Architecture Practice A Survey. *Lecture Notes in Business Information Processing*, **2010**, 16-29	0.6	9
17	IT Consolidation: An Optimization Approach **2010**,		6
16	Enterprise Architecture Meta Models for IT/Business Alignment Situations **2010**,		47
15	Probabilistic availability analysis of control and automation systems for active distribution networks **2010**,		4
14	Vehicle to Grid Monte Carlo simulations for optimal Aggregator strategies **2010**,		26
13	Availability of a SCADA/OMS/DMS system A case study **2010**,		3
12	Vehicle to grid Reference architectures for the control markets in Sweden and Germany **2010**,		8
11	A Tool for Interoperability Analysis of Enterprise Architecture Models using Pi-OCL **2010**, 81-90		13
10	Data Collection Prioritization for System Quality Analysis. *Electronic Notes in Theoretical Computer Science*, **2009**, 233, 29-42	0.7	17
9	EAF2- A Framework for Categorizing Enterprise Architecture Frameworks **2009**,		16
8	A Tool for Enterprise Architecture Analysis of Maintainability **2009**,		12
7	Decision support oriented Enterprise Architecture metamodel management using classification trees **2009**,		3
6	An Enterprise Architecture framework for application consolidation in the Swedish Armed Forces **2009**,		5

5	A Method for Choosing Software Assessment Measures Using Bayesian Networks and Diagnosis **2009**,		2
4	Modeling the IT Impact on Organizational Structure **2009**,		7
3	Enterprise Meta Modeling Methods □Combining a Stakeholder-Oriented and a Causality-Based Approach. *Lecture Notes in Business Information Processing*, **2009**, 381-393	0.6	13
2	Quantifying IT Impacts on Organizational Structure and Business Value with Extended Influence Diagrams. *Lecture Notes in Business Information Processing*, **2008**, 138-152	0.6	11
1	Explaining automated decision-making: a multinational study of the GDPR right to meaningful information. *Geneva Papers on Risk and Insurance: Issues and Practice,*1	1.2	0