

# Dirk Neumann

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

2,450  
citations

236925

25  
h-index

254184

43  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining analytics and simulation methods to assess the impact of shared, autonomous electric vehicles on sustainable urban mobility. <i>Information and Management</i> , 2022, 59, 103285.	6.5	38
2	Permutation flow shop scheduling with multiple lines and demand plans using reinforcement learning. <i>European Journal of Operational Research</i> , 2022, 299, 75-86.	5.7	19
3	Strategies for microgrid operation under real-world conditions. <i>European Journal of Operational Research</i> , 2021, 292, 339-352.	5.7	25
4	Prescriptive analytics in public-sector decision-making: A framework and insights from charging infrastructure planning. <i>European Journal of Operational Research</i> , 2021, 291, 379-393.	5.7	18
5	The Constrained Reliable Shortest Path Problem in Stochastic Time-Dependent Networks. <i>Operations Research</i> , 2021, 69, 709-726.	1.9	3
6	Predicting residential electricity consumption using aerial and street view images. <i>Applied Energy</i> , 2021, 301, 117407.	10.1	10
7	Cost minimization of large-scale infrastructure for electricity generation and transmission. <i>Omega</i> , 2020, 96, 102071.	5.9	7
8	The behavior of blockchain ventures on Twitter as a determinant for funding success. <i>Electronic Markets</i> , 2020, 30, 241-257.	8.1	33
9	Is code law? Current legal and technical adoption issues and remedies for blockchain-enabled smart contracts. <i>Journal of Information Technology</i> , 2020, 35, 337-360.	3.9	31
10	Language sentiment in fundamental and noise trading: evidence from crude oil. <i>Applied Economics</i> , 2020, 52, 5343-5363.	2.2	3
11	Negation scope detection for sentiment analysis: A reinforcement learning framework for replicating human interpretations. <i>Information Sciences</i> , 2020, 536, 205-221.	6.9	15
12	Predicting sentence-level polarity labels of financial news using abnormal stock returns. <i>Expert Systems With Applications</i> , 2020, 148, 113223.	7.6	10
13	Longitudinal healthcare analytics for disease management: Empirical demonstration for low back pain. <i>Decision Support Systems</i> , 2020, 132, 113271.	5.9	6
14	Learning Interpretable Negation Rules via Weak Supervision at Document Level: A Reinforcement Learning Approach. , 2019, , .		5
15	Curtailment Contract Design for HVAC Systems. , 2019, , .		0
16	Contract durations in the electricity market: Causal impact of 15 min trading on the EPEX SPOT market. <i>Energy Economics</i> , 2018, 69, 367-378.	12.1	37
17	Smart Cities and Digitized Urban Management. <i>Business and Information Systems Engineering</i> , 2018, 60, 193-195.	6.1	12
18	Modeling interferences in information systems design for cyberphysical systems: Insights from a smart grid application. <i>European Journal of Information Systems</i> , 2018, 27, 207-220.	9.2	13

#	ARTICLE	IF	CITATIONS
19	Large-scale demand response and its implications for spot prices, load and policies: Insights from the German-Austrian electricity market. <i>Applied Energy</i> , 2018, 210, 1290-1298.	10.1	29
20	Statistical inferences for polarity identification in natural language. <i>PLoS ONE</i> , 2018, 13, e0209323.	2.5	15
21	A sentiment analysis-based machine learning approach for financial market prediction via news disclosures. , 2018, , .		50
22	Social media analytics and value creation in urban smart tourism ecosystems. <i>Information and Management</i> , 2017, 54, 703-713.	6.5	149
23	Intermodal Mobility. <i>Business and Information Systems Engineering</i> , 2017, 59, 173-179.	6.1	40
24	Moving in time and space – Location intelligence for carsharing decision support. <i>Decision Support Systems</i> , 2017, 99, 75-85.	5.9	60
25	Crossing the Next Frontier: The Role of ICT in Driving the Financialization of Credit. <i>Journal of Information Technology</i> , 2017, 32, 218-233.	3.9	26
26	Evaluating a business model for vehicle-grid integration: Evidence from Germany. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 50, 488-504.	6.8	30
27	Electronic mobility market platforms – a review of the current state and applications of business analytics. <i>Electronic Markets</i> , 2017, 27, 267-282.	8.1	24
28	Making the most of fleets: A profit-maximizing multi-vehicle pickup and delivery selection problem. <i>European Journal of Operational Research</i> , 2017, 259, 155-168.	5.7	11
29	The tone of financial news and the perceptions of stock and CDS traders. <i>International Review of Financial Analysis</i> , 2016, 46, 159-175.	6.6	11
30	Integration scenarios of Demand Response into electricity markets: Load shifting, financial savings and policy implications. <i>Energy Policy</i> , 2016, 96, 231-240.	8.8	48
31	Negation scope detection in sentiment analysis: Decision support for news-driven trading. <i>Decision Support Systems</i> , 2016, 88, 67-75.	5.9	35
32	Analysis of How Underlying Topics in Financial News Affect Stock Prices Using Latent Dirichlet Allocation. , 2016, , .		29
33	Decision model for sustainable electricity procurement using nationwide demand response. , 2016, , .		4
34	News sentiment and overshooting of exchange rates. <i>Applied Economics</i> , 2016, 48, 4238-4250.	2.2	8
35	Detecting Negation Scopes for Financial News Sentiment Using Reinforcement Learning. , 2016, , .		5
36	Value and granularity of ICT and smart meter data in demand response systems. <i>Energy Economics</i> , 2016, 54, 1-10.	12.1	37

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37	In free float: Developing Business Analytics support for carsharing providers. Omega, 2016, 59, 4-14.	5.9	37
38	Enhancing Sentiment Analysis of Financial News by Detecting Negation Scopes. , 2015, , .		29
39	Do Investors Read Too Much into News? How News Sentiment Causes Price Formation. , 2015, , .		11
40	Data Analytics in Free-Floating Carsharing: Evidence from the City of Berlin. , 2015, , .		5
41	Revenue management for Cloud computing providers: Decision models for service admission control under non-probabilistic uncertainty. European Journal of Operational Research, 2015, 244, 637-647.	5.7	19
42	Putting Big Data analytics to work: Feature selection for forecasting electricity prices using the LASSO and random forests. Journal of Decision Systems, 2015, 24, 19-36.	3.2	88
43	TAX POLICY AND INCOME INEQUALITY IN THE UNITED STATES, 1979â€“2007. Economic Inquiry, 2015, 53, 1061-1085.	1.8	29
44	Chasing Lemmings: Modeling IT-Induced Misperceptions About the Strategic Situation as a Reason for Flash Crashes. Journal of Management Information Systems, 2015, 31, 88-108.	4.3	4
45	Taming Uncertainty in Big Data. Business and Information Systems Engineering, 2014, 6, 279-288.	6.1	22
46	When Common Knowledge Becomes Common Doubt -- Modeling IT-Induced Ambiguities about the Strategic Situation as Reasons for Flash Crashes. , 2014, , .		0
47	Accelerating Combinatorial Clock Auctions Using Bid Ranges. , 2014, , .		0
48	News Processing during Speculative Bubbles: Evidence from the Oil Market. , 2014, , .		10
49	Emergency response in natural disaster management: Allocation and scheduling of rescue units. European Journal of Operational Research, 2014, 235, 697-708.	5.7	189
50	Energy Informatics. Business and Information Systems Engineering, 2014, 6, 25-31.	6.1	55
51	Measuring the financial impact of demand response for electricity retailers. Energy Policy, 2014, 65, 359-368.	8.8	79
52	Reading All the News at the Same Time: Predicting Mid-term Stock Price Developments Based on News Momentum. , 2013, , .		3
53	Decision Modeling for Assignments of Collaborative Rescue Units during Emergency Response. , 2013, , .		12
54	Automated news reading: Stock price prediction based on financial news using context-capturing features. Decision Support Systems, 2013, 55, 685-697.	5.9	243

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55	Early Warning of Impending Oil Crises Using the Predictive Power of Online News Stories. , 2013, , .		9
56	Assignments of Collaborative Rescue Units during Emergency Response. International Journal of Information Systems for Crisis Response and Management, 2013, 5, 63-80.	0.7	6
57	Automated News Reading: Stock Price Prediction Based on Financial News Using Context-Specific Features. , 2012, , .		32
58	Risk-Aware Service Level Agreement Design for Enterprise Information Systems. , 2012, , .		7
59	Revenue Management for Cloud Providers--A Policy-Based Approach under Stochastic Demand. , 2012, , .		5
60	Energy-aware workload management models for operation cost reduction in data centers. European Journal of Operational Research, 2012, 222, 157-167.	5.7	10
61	A Fuzzy Decision Support Model for Natural Disaster Response under Informational Uncertainty. International Journal of Information Systems for Crisis Response and Management, 2012, 4, 23-41.	0.7	6
62	Comparing ingress and egress detection to secure interdomain routing. ACM Transactions on Internet Technology, 2011, 11, 1-26.	4.4	0
63	Automated control for elastic n-tier workloads based on empirical modeling. , 2011, , .		36
64	Automated bidding in computational markets: an application in market-based allocation of computing services. Autonomous Agents and Multi-Agent Systems, 2010, 21, 115-142.	2.1	6
65	Market-based pricing in grids: On strategic manipulation and computational cost. European Journal of Operational Research, 2010, 203, 464-475.	5.7	26
66	The Impact of Collaboration Network Structure on Issue Tracking's Process Efficiency at a Large Business Software Vendor. , 2010, , .		0
67	Datacenter Investment Support System (DAISY). , 2010, , .		4
68	CloudXplor. , 2010, , .		23
69	A Service Request Acceptance Model for Revenue Optimization - Evaluating Policies Using a Web Based Resource Management Game. , 2010, , .		5
70	Trading grid services "a multi-attribute combinatorial approach. European Journal of Operational Research, 2008, 187, 943-961.	5.7	94
71	GreedyEx" a scalable clearing mechanism for utility computing. Electronic Commerce Research, 2008, 8, 235-253.	5.0	9
72	A Framework for Commercial Grids"Economic and Technical Challenges. Journal of Grid Computing, 2008, 6, 325-347.	3.9	26

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73	Harnessing migrations in a market-based grid OS. , 2008, , .		4
74	Situated Decision Support for Managing Service Level Agreement Negotiations. , 2008, , .		6
75	Collaborative Continuous Service Engineering: A Case Study in a Financial Service Environment. , 2008, , .		0
76	Load Shifting Agents for Automated Demand Side Management in Micro Energy Grids. , 2008, , .		14
77	Planning and Pricing of Service Mashups. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	10
78	Using k-Pricing for Penalty Calculation in Grid Market. , 2008, , .		22
79	A Market Mechanism for Energy Allocation in Micro-CHP Grids. , 2008, , .		79
80	A Discriminatory Pay-as-Bid Mechanism for Efficient Scheduling in the Sun N1 Grid Engine. , 2008, , .		6
81	Bridging the Adoption Gap - Developing a Roadmap for Trading in Grids. Electronic Markets, 2008, 18, 65-74.	8.1	13
82	Token Exchange System as incentive mechanism for e-Science Grid. , 2007, , .		0
83	Second-Best Combinatorial Auctions - The Case of the Pricing-Per-Column Mechanism. , 2007, , .		2
84	Decentralized Online Resource Allocation for Dynamic Web Service Applications. , 2007, , .		4
85	Combinatorial exchanges for coordinating grid services. , 2007, 7, 65-68.		3
86	Using Blueprints for Engineering Electronic Market Services. , 2006, , .		0
87	A Fully Computational Model for Predicting Percutaneous Drug Absorption. Journal of Chemical Information and Modeling, 2006, 46, 424-429.	5.4	46
88	Preface to the Focus Theme Section: "Financial Market Engineering"™. Electronic Markets, 2006, 16, 98-100.	8.1	2
89	Distributed ascending proxy auction " A cryptographic approach. Business & Information Systems Engineering, 2006, 48, 7-15.	0.4	3
90	Grid-Economics. Business & Information Systems Engineering, 2006, 48, 206-209.	0.4	7

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91	Image retrieval and perceptual similarity. ACM Transactions on Applied Perception, 2006, 3, 31-47.	1.9	47
92	Catallaxy-based Grid markets. Multiagent and Grid Systems, 2005, 1, 297-307.	0.9	26
93	Applying the Montreal Taxonomy to State of the Art E-Negotiation Systems. Group Decision and Negotiation, 2003, 12, 287-310.	3.3	27
94	Prescriptive Analytics in Urban Policing Operations. Manufacturing and Service Operations Management, 0, , .	3.7	2