Boris Koldehofe

List of Publications by Year in Descending Order

60 papers	1,007 citations	16 h-index	30 g-index
65 ext. papers	1,272 ext. citations	2.7 avg, IF	4.38 L-index

#	Paper	IF	Citations
60	**Network Testing Utilizing Programmable Network Hardware.** *IEEE Communications Magazine*, **2022**, 60, 12-17	9.1	1
59	P4-CoDel: Experiences on Programmable Data Plane Hardware **2021**,		1
58	OpenBNG: Central office network functions on programmable data plane hardware. *International Journal of Network Management*, **2021**, 31, e2134	1.8	5
57	TCEP: Transitions in operator placement to adapt to dynamic network environments. *Journal of Computer and System Sciences*, **2021**, 122, 94-125	1	1
56	P4STA: High Performance Packet Timestamping with Programmable Packet Processors **2020**,		7
55	Flexible Content-based Publish/Subscribe over Programmable Data Planes **2020**,		1
54	Microbursts in Software and Hardware-based Traffic Load Generation **2020**,		2
53	Transitions: A Protocol-Independent View of the Future Internet. *Proceedings of the IEEE*, **2019**, 107, 835-846	14.3	4
52	Transitions for Increased Flexibility in Fog Computing: A Case Study on Complex Event Processing. *Informatik-Spektrum*, **2019**, 42, 244-255	0.3	3
51	P4-BNG: Central Office Network Functions on Programmable Packet Pipelines **2019**,		6
50	INetCEP: In-Network Complex Event Processing for Information-Centric Networking **2019**,		1
49	ProgCEP **2019**,		3
48	From event streams to process models and back: Challenges and opportunities. *Information Systems*, **2019**, 81, 181-200	2.7	27
47	Change as chance: Transition-enabled monitoring for dynamic networks and environments **2018**,		3
46	Multipath QUIC: A Deployable Multipath Transport Protocol **2018**,		26
45	Multipath TCP Scheduling for Thin Streams: Active Probing and One-Way Delay-Awareness **2018**,		5
44	Don\t repeat yourself **2018**,		5

43 Understanding the Behavior of Operator Placement Mechanisms on Large-Scale Networks **2018**,   1

42 P4-CoDel: Active Queue Management in Programmable Data Planes **2018**,   9

41 TCEP **2018**,   12

40 High Performance Publish/Subscribe Middleware in Software-Defined Networks. *IEEE/ACM Transactions on Networking*, **2017**, 25, 1501-1516   3.8   22

39 Quality-Aware Runtime Adaptation in Complex Event Processing **2017**,   9

38 TrustCEP: Adopting a Trust-Based Approach for Distributed Complex Event Processing **2017**,   5

37 Operator Migration for Distributed Complex Event Processing in Device-to-Device Based Networks **2016**,   4

36 Seamless Transitions between Filter Schemes for Location-Based Mobile Applications **2016**,   6

35 A cost efficient scheduling strategy to guarantee probabilistic workflow deadlines **2015**,   2

34 Distributed control plane for software-defined networks **2015**,   7

33 Immense Dynamism. *German Research*, **2015**, 37, 24-27   0.1   5

32 Predictable Low-Latency Event Detection With Parallel Complex Event Processing. *IEEE Internet of Things Journal*, **2015**, 2, 274-286   10.7   38

31 Securing Broker-Less Publish/Subscribe Systems Using Identity-Based Encryption. *IEEE Transactions on Parallel and Distributed Systems*, **2014**, 25, 518-528   3.7   31

30 MCEP. *ACM Transactions on Internet Technology*, **2014**, 14, 1-24   3.8   33

29 Distributed complex event processing for mobile large-scale video applications **2014**,   7

28 Meeting predictable buffer limits in the parallel execution of event processing operators **2014**,   5

27 RECEP **2014**,   10

26 PLEROMA **2014**,   25

25	Bandwidth-Minimized Distribution of Measurements in Global Sensor Networks. *Lecture Notes in Computer Science*, **2014**, 156-170	0.9
24	Scalable group communication supporting configurable levels of consistency. *Concurrency Computation Practice and Experience*, **2013**, 25, 649-671	1.4	3
23	Rollback-recovery without checkpoints in distributed event processing systems **2013**,	27
22	Mobile fog **2013**,	278
21	Efficient content-based routing with network topology inference **2013**,	12
20	Opportunistic spatio-temporal event processing for mobile situation awareness **2013**,	24
19	MigCEP **2013**,	73
18	**2012**,	3
17	Distributed spectral cluster management **2012**,	14
16	Moving range queries in distributed complex event processing **2012**,	15
15	Exact convex formulations of network-oriented optimal operator placement **2012**,	1
14	Meeting subscriber-defined QoS constraints in publish/subscribe systems. *Concurrency Computation Practice and Experience*, **2011**, 23, 2140-2153	1.4	23
13	Supporting Strong Reliability for Distributed Complex Event Processing Systems **2011**,	12
12	Efficient and Distributed Rule Placement in Heavy Constraint-Driven Event Systems **2011**,	11
11	Efficient support for multi-resolution queries in global sensor networks **2011**,	4
10	Cordies **2010**,	27
9	Providing basic security mechanisms in broker-less publish/subscribe systems **2010**,	19
8	Distributed heterogeneous event processing **2010**,	10

LIST OF PUBLICATIONS

7	Multilevel Predictions for the Aggregation of Data in Global Sensor Networks **2010**,		3
6	Dynamic Publish/Subscribe to Meet Subscriber-Defined Delay and Bandwidth Constraints. *Lecture Notes in Computer Science*, **2010**, 458-470	0.9	4
5	Complex Event Processing. *IT - Information Technology*, **2009**, 51, 241-242	0.4	35
4	Spontaneous Virtual Networks: On the Road Towards the Internet□s Next Generation Spontane Virtuelle Netze: Auf dem Weg zur n□hsten Generation des Internets. *IT - Information Technology*, **2009**, 50, 367-375	0.4	2
3	How robust are gossip-based communication protocols?. *Operating Systems Review (ACM)*, **2007**, 41, 14-18	0.8	13
2	LYDIAN. *Journal on Educational Resources in Computing*, **2006**, 6, 1		2
1	Evaluating the educational impact of visualization. *SIGCSE Bulletin*, **2003**, 35, 124-136	0	54