Philipp Svoboda

List of Publications by Year
in descending order

		1040056	1125743
66 papers	591 citations	9 h-index	13 g-index
71 all docs	71 docs citations	71 times ranked	403 citing authors

#	Article	IF	Citations
1	Localizing Basestations From End-User Timing Advance Measurements. IEEE Access, 2022, 10, 5533-5544.	4.2	9
2	Cluster Density in Crowdsourced Mobile Network Measurements. , 2021, , .		5
3	Propagation-aware Gaussian Process Regression for Signal-Strength Interpolation along Street Canyons. , 2021, , .		3
4	Bayesian Inference of Sector Orientation in LTE Networks based on End-User Measurements. , 2021, , .		3
5	Open Monitoring Platform for Mobile Broadband. , 2020, , .		5
6	Semi-Supervised Detection of Tariff Limits in LTE Network Benchmarks. , 2020, , .		1
7	On the Inappropriateness of Static Measurements for Benchmarking in Wireless Networks. , 2020, , .		9
8	Assessment of Treatment Influence in Mobile Network Coverage on Board High-Speed Trains. IEEE Access, 2020, 8, 162945-162960.	4.2	1
9	Real World Performance of LTE Downlink in a Static Dense Urban Scenario - An Open Dataset. , 2020, , .		8
10	Modified Dynamic Time Warping with a Reference Path for Alignment of Repeated Drive-Tests. , 2020, , .		6
11	Measurement Based Modelling of In-Train Repeater Deployments. , 2019, , .		7
12	Constant Rate Ultra Short Probing (CRUSP): Measurements in Live LTE Networks. , 2019, , .		10
13	Repeatability for Spatiotemporal Throughput Measurements in LTE. , 2019, , .		7
14	Identifying Multipath Propagation in Vehicular Repeater Deployments by LTE Measurements. , 2019, , .		4
15	Benchmarking Lightweight User Mobility Predictors on Operational WLAN Data. , 2019, , .		1
16	Scaled†time OFDM experiments for channels exceeding the cyclic prefix. Electronics Letters, 2019, 55, 1370-1373.	1.0	0
17	Analysis of LTE in Two-Path Vehicular Repeater Channels. , 2019, , .		1
18	UAV-Based Coverage Measurement Method for 5G. , 2019, , .		12

#	Article	IF	Citations
19	Crowdsensed Performance Benchmarking of Mobile Networks. IEEE Access, 2019, 7, 154899-154911.	4.2	14
20	Design of Experiments to Compare Base Station Antenna Configurations. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3484-3493.	4.7	8
21	Constant Rate Ultra Short Probing (CRUSP) Measurements in LTE Networks. , 2018, , .		5
22	Lightweight Detection of Tariff Limits in Cellular Mobile Networks. , 2018, , .		5
23	Deriving Cell Load from RSRQ Measurements. , 2018, , .		21
24	Measurement and analysis of LTE coverage for vehicular use cases in live networks. , 2017, , .		4
25	Swift Indoor Benchmarking Methodology for Mobile Broadband Networks. , 2017, , .		5
26	FLARP, fast lightweight available rate probing: Benchmarking mobile broadband networks. , 2017, , .		6
27	The impact of duration and settings of TCP measurements on available bandwidth estimation in mobile networks. , 2017, , .		0
28	SegHyPer: Segmentation- and hypothesis based network performance evaluation for high speed train users. , 2017, , .		12
29	Distributed Measurements of the Penetration Loss of Railroad Cars. , 2017, , .		13
30	Benchmarking In-Train Coverage Measurements of Mobile Cellular Users. , 2017, , .		7
31	Opportunities and challenges of using crowdsourced measurements for mobile network benchmarking a case study on RTR open data. , 2016, , .		11
32	CMPT: A methodology of comparing performance measurement tools. , 2016, , .		1
33	Server link load modeling and request scheduling for crowdsourcing-based benchmarking systems. , 2016, , .		1
34	Cellular network quality improvements for high speed train passengers by on-board amplify-and-forward relays. , 2016, , .		15
35	Modeling indoor WLAN performance towards user-oriented evaluation metrics. , 2015, , .		0
36	Empirical KPIs for interfered WLAN. , 2015, , .		1

#	Article	IF	Citations
37	MTRAC - discovering M2M devices in cellular networks from coarse-grained measurements. , 2015, , .		4
38	Measurement setup for automatized baselining of WLAN network performance. , 2015, , .		2
39	Parsimonious Network Traffic Modeling By Transformed ARMA Models. IEEE Access, 2014, 2, 40-55.	4.2	11
40	M2M Traffic and Models. , 2014, , 57-85.		6
41	Parsimonious Fitting of Long-Range Dependent Network Traffic Using ARMA Models. IEEE Communications Letters, 2013, 17, 2368-2371.	4.1	25
42	A benchmark methodology for end-to-end delay of reactive mobile networks. , 2013, , .		3
43	Modeling randomness in network traffic. , 2012, , .		5
44	Users in cells: A data traffic analysis. , 2012, , .		36
45	Impact of Online Games and M2M Applications Traffic on Performance of HSPA Radio Access Networks. , 2012, , .		7
46	Modeling randomness in network traffic. Performance Evaluation Review, 2012, 40, 393-394.	0.6	2
47	Packet delay measurements in reactive IP networks. IEEE Instrumentation and Measurement Magazine, 2012, 15, 36-44.	1.6	10
48	HSPA radio access performance evaluation for Online games and M2M applications traffic (TCP vs) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
49	Traffic generation application for simulating online games and M2M applications via wireless networks. , 2012, , .		15
50	Time synchronization performance of desktop computers. , 2011, , .		14
51	Measurement Aided Model Design for WCDMA Link Error Statistics. , 2011, , .		2
52	Dissecting 3G Uplink Delay by Measuring in an Operational HSPA Network. Lecture Notes in Computer Science, 2011, , 52-61.	1.3	14
53	Outer-Loop Power Control in a live UMTS network: Measurement, analysis and improvements. , 2010, , .		5
54	Content-aware scheduling for video streaming over HSDPA networks. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
55	Cross-Layer Optimization of Video Services over HSDPA Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 135-146.	0.3	2
56	Detection and Tracking of Skype by Exploiting Cross Layer Information in a Live 3G Network. Lecture Notes in Computer Science, 2009, , 93-100.	1.3	5
57	Empirical study of subjective quality for Massive Multiplayer Games. , 2008, , .		34
58	Forecasting of traffic load in a live 3G packet switched core network. , 2008, , .		5
59	Analysis and detection of bottlenecks via TCP footprints in live 3G networks. , 2008, , .		1
60	Modeling E-Mail Traffic for 3G Mobile Networks. , 2007, , .		3
61	Bottleneck Footprints in TCP over Mobile Internet Accesses. IEEE Communications Letters, 2007, 11, 839-841.	4.1	2
62	Traffic Analysis and Modeling for World of Warcraft. , 2007, , .		69
63	Measured WEB Performance in GPRS, EDGE, UMTS and HSDPA with and without Caching. , 2007, , .		24
64	Link Error Analysis and Modeling for Video Streaming Cross-Layer Design in Mobile Communication Networks. ETRI Journal, 2007, 29, 569-595.	2.0	23
65	Diagnosis of capacity bottlenecks via passive monitoring in 3G networks: An empirical analysis. Computer Networks, 2007, 51, 1205-1231.	5.1	25
66	Traffic monitoring and analysis in 3G networks: lessons learned from the METAWIN project. Elektrotechnik Und Informationstechnik, 2006, 123, 288-296.	1.1	11