



Submission Data for 2020-2021 CORE conference Ranking process
International Conference on Embedded Wireless Systems and Networks (wasEuropean Conference on Wireless Sensor Networks)

Kay RÄúmer

Conference Details

Conference

Title: International Conference on Embedded Wireless Systems and Networks (wasEuropean Conference on Wireless Sensor Networks)

Acronym : EWSN

Rank: A

Data and Metrics

Google Scholar Metrics

h5-index: 22sub-category url: https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_computernetworkswirelesscommunication

position in sub-category: 20+Image of top 20:

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	IEEE Communications Surveys & Tutorials	<u>138</u>	248
2.	IEEE Communications Magazine	<u>130</u>	190
3.	IEEE Transactions on Wireless Communications	<u>110</u>	159
4.	IEEE Transactions on Vehicular Technology	<u>104</u>	148
5.	IEEE Journal on Selected Areas in Communications	<u>101</u>	141
6.	IEEE Transactions on Communications	<u>89</u>	133
7.	Journal of Network and Computer Applications	<u>83</u>	118
8.	IEEE Wireless Communications	<u>80</u>	125
9.	IEEE International Conference on Computer Communications (INFOCOM)	<u>72</u>	99
10.	IEEE Communications Letters	<u>69</u>	99
11.	IEEE International Conference on Computer and Communications	<u>69</u>	99
12.	IEEE Systems Journal	<u>69</u>	92
13.	IEEE Networks	<u>68</u>	103
14.	IEEE Transactions on Mobile Computing	<u>68</u>	97
15.	IEEE International Conference on Communications	<u>67</u>	86
16.	ACM SIGCOMM Conference	<u>65</u>	127
17.	IEEE/ACM Transactions on Networking	<u>59</u>	96
18.	IEEE GLOBECOM	<u>57</u>	79
19.	Computer networks	<u>56</u>	89
20.	IEEE Wireless Communications Letters	<u>55</u>	84

Dates and citation counts are estimated and are determined automatically by a computer program.

ACM Metrics

Is an ACM sponsored conference: True
 Providing ACM Stats: True

ACM Statistics

ACM downloads in last 12 months: -1
 Average downloads per article: -1
 Average citations per article: -1

ACM Most frequently publishing

Name: Carlo Alberto Boano Paper Count: 15 Google Scholar h-index: 26 Gscholar url: https://scholar.google.com/citations?hl=en&user=rsoAeOMAAAAJ
Name: Kay R��mer Paper Count: 11 Google Scholar h-index: 49 Gscholar url: https://scholar.google.com/citations?user=Nup8qqUAAAAJ&hl=en&oi=ao
Name: Gian Pietro Picco Paper Count: 8 Google Scholar h-index: 54 Gscholar url: https://scholar.google.com/citations?user=DqcmXQ8AAAAJ&hl=en&oi=ao
Name: Olaf Landsiedel Paper Count: 8 Google Scholar h-index: 22 Gscholar url: https://scholar.google.com/citations?user=_kenE7EAAAAJ&hl=en&oi=ao
Name: Thiemo Voigt Paper Count: 7 Google Scholar h-index: 54 Gscholar url: https://scholar.google.com/citations?user=xSXvpjEAAAAJ&hl=en&oi=ao
Name: Simon Duquennoy Paper Count: 7 Google Scholar h-index: 30 Gscholar url: https://scholar.google.com/citations?user=KKurClIAAAAAJ&hl=en&oi=ao
Name: Meng Jin Paper Count: 7 Google Scholar h-index: 7 Gscholar url: https://scholar.google.com/citations?user=CN2l9GEAAAAJ&hl=zh-CN
Name: Timofei Istomin Paper Count: 7 Google Scholar h-index: 9 Gscholar url: https://scholar.google.com/citations?user=7Q_w00MAAAAAJ&hl=en&oi=ao
Name: Thomas Watteyne Paper Count: 6 Google Scholar h-index: 40 Gscholar url: https://scholar.google.com/citations?user=Tl0MKqMAAAAAJ&hl=en&oi=ao
Name: George Oikonomou Paper Count: 6 Google Scholar h-index: 23 Gscholar url: https://scholar.google.com/citations?user=oLr89jwAAAAJ&hl=en&oi=ao

Aminer Rank

Not Listed in Aminer

Other Rankings

Not aware of any other Rankings

Conferences in area: We are sorting based on conference quality starting with the most competitive conference in this field.

1. Sensys: Conference on Embedded Networked Sensor Systems
2. IPSN: International Conference on Information Processing in Sensor Networks
3. EWSN: International Conference on Embedded Wireless Systems and Networks
4. Secon: International Conference on Sensing, Communication and Networking
5. MASS: International Conference on Mobile Ad-Hoc and Smart Systems
6. DCOSS: International Conference on Distributed Computing in Sensor Systems

Top People Publishing Here

name: Kay R  mer

justification: Kay R  mer is professor at and director of the Institute for Technical Informatics and head of the Field of Expertise "Information, Communication & Computing" with more than 100 senior scientists at TU Graz, Austria. Kay R  mer is an internationally recognized expert on networked embedded systems, with research focus on wireless networking, fundamental services, operating systems, programming models, dependability, testbeds, and deployment methodology. He has co-chaired virtually all leading conferences in his field such as ACM SenSys, ACM/IEEE IPSN, EWSN, IEEE SECON, IEEE DCOSS as general or program chair. He is also chairing the steering committee of the EWSN conference series. He is coordinator of the TU Graz Excellence Research Center "Dependable Internet of Things" and leads the research area "Cognitive Products" in the research center Pro2Future - Products and Production of the Future. He is also an external faculty member at the Complexity Science Hub Vienna. He delivered numerous invited keynote talks at international conferences, directed five international summer schools, and served on the editorial boards of leading

journals such as IEEE Transactions on Mobile Computing, IEEE Transactions on Computers, and ACM Transactions on Sensor Networks. He coauthored more than 200 papers and received best paper/poster/demo awards at numerous conferences, including ACM SenSys, ACM/IEEE IPSN, EWSN, and IEEE SECON.

<https://www.tugraz.at/en/institutes/iti/institute/team/prof-kay-roemer/>

<https://www.csh.ac.at/researcher/kay-roemer/>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
5	2	0	3	0

Attendance: ALWAYS

name: Thiemo Voigt

justification: Thiemo Voigt is a Professor of computer science with the Department of Information Technology, Uppsala University. He also leads the Networked Embedded Systems Group, RISE Computer Science. His current research interests include system software for embedded networked devices and the Internet of Things. He is one of the co-authors of Contiki - the leading operating system for the Internet of Things. He is a member of the editorial board for the IEEE Internet of Things and ACM Transactions on Sensor Networks (TOSN). He is the author of over 180 peer reviewed articles and conference papers in computer networking, sensor networking and Internet of Things. He publishes regularly at top-tier conferences such as IEEE/ACM IPSN, ACM SenSys, ACM MobiSys, ACM MobiCom and EWSN. His research has been internationally recognized through invited lectures and best paper awards for contributions to Internet of Things research. He co-chaired leading conferences such as ACM/IEEE IPSN or EWSN. He is the recipient of a Google Faculty Award.

<https://ieeexplore.ieee.org/author/37279685900> <https://katalog.uu.se/profile/?id=N2-279>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	5	1	2	3

Attendance: ALWAYS

name: Koen Langendoen

justification: Koen Langendoen is a full professor of computer science with the EEMCS faculty of TU Delft. He holds the chair on Embedded and Networked Systems managing a group of about 15 research staff (including 5 assistant/associate professors and 10+ PhD students and postdocs) and 20+ MSc students. Prof. Langendoen has rich experience and an excellent track record in systems research, in particular, wireless networking protocols. He has pioneered research on energy-efficient medium access control protocols for sensor networks and distributed localization systems. He has participated as principal and co-principal investigator in numerous national (Dutch) and EU research projects, including D2S2, COMMIT, RELATE, WISEBED, CONET, and RELYonIT. He co-chaired numerous leading conferences such as ACM SenSys, ACM/IEEE IPSN or EWSN and was a member of the editorial board of ACM Transactions on Sensor Networks. He received a best paper award at ACM MobiWac. Langendoen has co-authored a standard text book on Modern Compiler Design.

<https://www.st.ewi.tudelft.nl/koen/> <https://ieeexplore.ieee.org/author/37326885400>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	0	0	1	0

Attendance: ALWAYS

name: Gian Pietro Picco

justification: Gian Pietro Picco is a professor in the Department of Information Engineering and Computer Science (DISI) at the University of Trento, Italy. His research spans the fields of software engineering, middleware, and networking, and is currently oriented towards wireless sensor networks, Internet of Things and Cyber-Physical systems, mobile computing, and large-scale distributed systems. The research performed in his group combines theoretical study and in-field validation in real-world applications, and has led to several awards, including a "Most Influential Paper" at ICSE'07 (for a paper published a decade earlier) and Best Paper Awards at IPSN (2009, 2011, 2015), PerCom (2012), and EWSN (2018). He is an associate editor for ACM Trans. on Sensor Networks (TOSN), and has served in the same role for IEEE Trans. on Software Engineering (TSE) and the J. of Pervasive and Mobile Computing. He is also the co-Editor-in-Chief of the newly-created ACM Transactions on the Internet of Things (TIOT).

<http://www.icsoft.org/KeynoteSpeakers.aspx?y=2018> <http://disi.unitn.it/~picco/>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	1	4	1	0

Attendance: OFTEN

name: Lothar Thiele

justification: Lothar Thiele is currently a Professor of computer engineering with ETH Zurich, Zurich, Switzerland. His research interests include models, methods, and software tools for the design of embedded systems, the Internet of Things, cyber-physical systems, sensor networks, embedded software, and bioinspired optimization techniques. Dr. Thiele has been a member of the Foundation Board of the Hasler Foundation, Switzerland, since 2010. Since 2010, he has been a member of the Academia Europaea. He received the Dissertation Award of the Technical University of Munich in 1986, the Outstanding Young Author Award of the IEEE Circuits and Systems Society in 1987, the Browder J. Thompson Memorial Award of the IEEE in 1988, and the IBM Faculty Partnership Award from 2000 to 2001. In 2005, he was a recipient of the Honorary Blaise Pascal Chair of Leiden University, The Netherlands. He received the EDAA Lifetime Achievement Award in 2015. In 2004, he joined the German Academy of Sciences Leopoldina. Since 2017, he has been an Associate Vice President of ETH for Digital Transformation. He is also an Associate Editor of IEEE Transactions on Evolutionary Computation, Real-Time Systems, ACM Transactions on Sensor Networks, ACM Transactions on Cyber-Physical Systems, ACM Transactions on Internet of Things, and ACM Transactions on Embedded Computing Systems.

<https://ee.ethz.ch/de/departement/personen-a-bis-z/person-detail.html?persid=79038>

<https://ieeexplore.ieee.org/author/37274921100>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	1	0	3	2

Attendance: OCCASIONALLY

name: Carlo Alberto Boano

justification: Carlo Alberto Boano is an associate professor at the Institute of Technical Informatics of Graz University of Technology (TU Graz), Austria. He received the Venia Docendi in "Embedded Systems" from TU Graz with an Habilitation thesis entitled "Technologies and Tools for the Design of Dependable Networked Embedded Systems" in 2020. He also received from TU Graz a doctoral degree under the auspices of the President of the Austrian Republic (highest recognition for doctoral research in Austria) in 2016 with a thesis entitled "Dependable Wireless Sensor Networks". Carlo Alberto's research interests encompass the design of dependable networked embedded systems, with emphasis on the efficiency and reliability of low-power wireless communications, as well as on the robustness of IoT networking protocols against environmental influences. Within this area, he has published over 90 peer-reviewed contributions – including papers at prestigious venues ranked CORE A/A*, such as SenSys, IPSN, NDSS, EWSN, ICDCS, INFOCOM, ICNP, RTSS – and received several awards. He is internationally known and recognized as the initiator and coordinator of the very successful "Dependability Competition" series.

<http://www.carloalbertoboano.com/>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
6	2	0	4	0

Attendance: ALWAYS

name: Thomas Watteyne

justification: Thomas Watteyne is an insatiable enthusiast of low-power wireless mesh technologies. He holds an Research Director position at Inria in Paris, in the EVA research team, where he leads a team that designs, models and builds networking solutions based on a variety of Internet-of-Things (IoT) standards. He is Senior Networking Design Engineer at Analog Devices, in the Dust Networks product group, the undisputed leader in supplying low power wireless mesh networks for demanding industrial process automation applications. Since 2013, he co-chairs the IETF 6TiSCH working group, which standardizes how to use IEEE802.15.4e TSCH in IPv6-enabled mesh networks, and is member of the IETF Internet-of-Things Directorate. Prior to that, Thomas was a postdoctoral research lead in Prof. Kristofer Pister's team at the University of California, Berkeley. He founded and co-leads Berkeley's OpenWSN project, an open-source initiative to promote the use of fully standards-based protocol stacks for the IoT. Between 2005 and 2008, he was a research engineer at France Telecom, Orange Labs.

<https://twatteyne.wordpress.com/>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
2	1	0	3	2

Attendance: SOMETIMES

name: Tarek F. Abdelzaher

justification: Tarek Abdelzaher is currently a Professor and Willett Faculty Scholar at the Department of Computer Science, the University of Illinois at Urbana Champaign. He has authored/coauthored more than 300 refereed publications in real-time computing, CPS/IoT, distributed systems, intelligent networked sensing, machine learning, and control. He served as Editor-in-Chief of the Journal of Real-Time Systems for 20 years, and as Associate Editor of the IEEE Transactions on Mobile Computing, IEEE Transactions on Parallel and Distributed Systems, IEEE Embedded Systems Letters, the ACM Transaction on Sensor Networks, ACM Transactions on Internet Technology, ACM Transactions on Internet of Things, and the Ad Hoc Networks Journal. He chaired (as Program or General Chair) several conferences in his area including RTAS, RTSS, IPSN, Sensys, DCoSS, ICDCS, Infocom, and ICAC. Abdelzaher's research interests lie broadly in understanding and influencing performance and temporal properties of networked embedded, social, and software systems in the face of increasing complexity, distribution, and degree of interaction with an external physical environment. Tarek Abdelzaher is a recipient of the IEEE Outstanding Technical Achievement and Leadership Award in Real-time Systems (2012), the Xerox Award for Faculty Research (2011), as well as several best paper awards. He is a senior member of IEEE and a fellow of ACM.

<http://abdelzaher.cs.illinois.edu/> <https://cs.illinois.edu/about/people/faculty/zaher>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	1	1	1

Attendance: OCCASIONALLY

name: Luca Mottola

justification: Luca Mottola is an associate Professor at Politecnico di Milano, Italy and a Senior Researcher at RI.SE, Sweden. His research interests focus on modern networked embedded systems, with the current focus on Cyberphysical Systems, Drone Sensor Networks, and Low-power Wireless Sensing. Out of his research, he was listed amongst Postscapes "Internet of Things Top 100 Thinkers", and has received the ERCIM Cor Baayen Award, the MIT TR Italia Young Innovator Award, the EWSN/CONET European Best Ph.D. Thesis Award, the Best Paper Award at ACM/IEEE IPSN 2011, the Best Paper Award at ACM/IEEE IPSN 2009, and the Best Demo Award at ACM SenSys 2007. In 2014, he was part of the panel "Safe and secure Internet of Things" held at the House of Lords - U.K. Parliament. Luca's work appears regularly at prestigious conferences in the field, including ACM SENSYS and ACM/IEEE IPSN. The strong community involvement further testifies the recognition gained by his work, as Luca routinely serves on the program committees of top conferences such as ACM SENSYS, ACM/IEEE IPSN, IEEE RTSS, IEEE ICDCS, IEEE SRDS, EWSN, and IEEE INFOCOM. He was PC co-chair for IEEE DCOSS 2015 and ACM MobiSys 2021.

<https://mottola.faculty.polimi.it/> <https://www.aminer.cn/profile/luca-mottola/54867b62dabfae9b40133e83>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	0	0	2	4

Attendance: SOMETIMES

name: Prabal Dutta

justification: Prabal Dutta is an Associate Professor of Electrical Engineering and Computer Sciences at the University of California at Berkeley, where he co-directs the CONIX Research Center. Previously, he was a Morris Wellman Faculty Development Associate Professor of Electrical Engineering and Computer Science at the University of Michigan. His interests span circuits, systems, and software, with a focus on mobile, wireless, embedded, networked, and sensing systems with applications to health, energy, and the environment. His work has yielded dozens of hardware and software systems, has won five Top Pick/Best Paper Awards, two Best Paper Nominations, and a Potential Test of Time 2025 Award, as well as several demo, design, and industry competitions. His work has been directly commercialized by a dozen companies and indirectly by many dozens more, has been utilized by thousands of researchers and practitioners worldwide, and is on display at Silicon Valley's Computer History Museum. His research has been recognized with an Sloan Fellowship, a CAREER Award, a Popular Science Brilliant Ten Award, an Intel Early Career Faculty Fellowship, and as a Microsoft Research Faculty Fellowship Finalist. He has served as chair or co-chair of MobiSys'18, BuildSys'17, IPSN'17, ESWEET'17 IoT Day, HotMobile'16, SenSys'14, and HotPower'11, and on the DARPA ISAT Study Group from 2012-2016, where he co-chaired numerous studies. He holds a Ph.D. in Computer Science from UC Berkeley (2009), where NSF and Microsoft Research Graduate Fellowships supported his research. He received an M.S. in Electrical Engineering (2004) and a B.S. Electrical and Computer Engineering (1997), both from The Ohio State University.

<https://people.eecs.berkeley.edu/~prabal/> <https://web.eecs.umich.edu/~prabal/>

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	0	0	0	2

Attendance: OCCASIONALLY

Where People Publish

Top People Report

Method of selection: ACM Transactions on Sensor Networks is considered the leading journal in the topical field of EWSN. We selected 20 highly cited researchers who have served on the editorial board of ACM Transactions on Sensor Networks.

	name	h-index	gscholar url
	David E. Culler	130	https://scholar.google.com/citations?user=urTiL7QAAAAJ&hl=en&oi=ao
	Leonidas J. Guibas	128	https://scholar.google.at/citations?user=5J1EyTAAAAAJ&hl=de&oi=ao
	John A. Stankovic	120	https://scholar.google.com/citations?user=4VJre9IAAAAAJ&hl=en&oi=ao
	Tarek F. Abdelzaher	93	https://scholar.google.com/citations?user=cA28ZsOAAAAJ&hl=en
	Sajal K. Das	91	https://scholar.google.at/citations?user=mBaG-mQAAAAJ&hl=de&oi=ao
	Lothar Thiele	86	https://scholar.google.com/citations?hl=en&user=OaAKHewAAAAJ
	Andrew T. Campbell	86	https://scholar.google.at/citations?user=rthco5oAAAAJ&hl=de&oi=ao
	Lionel M. Ni	83	https://scholar.google.at/citations?user=0zMYwDIAAAAAJ&hl=de&oi=ao
	Yunhao Liu	81	https://scholar.google.com/citations?user=c5yUtPsAAAAJ&hl=en
Keyword:	Bhaskar Krishnamachari	78	https://scholar.google.at/citations?user=JHJozAYAAAAJ&hl=de&oi=ao
	Chenyang Lu	72	https://scholar.google.com/citations?user=tCq7WxOAAAAJ&hl=en&oi=ao
	Cecilia Mascolo	69	https://scholar.google.at/citations?user=Ej4BNaQAAAAJ&hl=de&oi=ao
	Jie Liu	67	https://scholar.google.at/citations?user=AJKK2ikAAAAJ&hl=de&oi=ao
	Philip Levis	66	https://scholar.google.com/citations?user=I_YsXU4AAAAJ&hl=en&oi=ao
	Wendi Heinzelman	57	https://scholar.google.at/citations?user=myYVVuYAAAAJ&hl=de&oi=ao
	Gian Pietro Picco	54	https://scholar.google.com/citations?hl=en&user=DqcmXQ8AAAAJ
	Thiemo Voigt	54	https://scholar.google.com/citations?hl=en&user=xSXvpjEAAAAJ
	Andreas Terzis	52	https://scholar.google.at/citations?user=NcIqQ88AAAAJ&hl=de&oi=ao
	Kay R�mer	49	https://scholar.google.com/citations?hl=en&user=Nup8qqUAAAAJ
	Guoliang Xing	47	https://scholar.google.com/citations?user=kI5JKs8AAAAJ&hl=en&oi=ao

Reference item: \ 4. European Conference/Workshop on Wireless Sensor Networks (EWSN)

Core Rank: A

 This conference was published at 51 times by 10 of 20 experts in the last 5 years.

The experts that publish at this conference are: Lothar Thiele(8), Kay Rmer(10), Tarek F. Abdelzaher(3), John A. Stankovic(1), Thiemo Voigt(13), Gian Pietro Picco(7), Bhaskar Krishnamachari(3), Guoliang Xing(4), Cecilia Mascolo(1), Philip Levis(1)

In 2016, there were 8 publications by 5 experts: Bhaskar Krishnamachari, Lothar Thiele, Tarek F. Abdelzaher, Thiemo Voigt, Philip Levis

In 2017, there were 11 publications by 6 experts: Bhaskar Krishnamachari, Lothar Thiele, Tarek F. Abdelzaher, Thiemo Voigt, Kay Rmer, Gian Pietro Picco

In 2018, there were 7 publications by 4 experts: Tarek F. Abdelzaher, Thiemo Voigt, Cecilia Mascolo, Gian Pietro Picco

In 2019, there were 17 publications by 7 experts: Gian Pietro Picco, Bhaskar Krishnamachari, Guoliang Xing, Lothar Thiele, Thiemo Voigt, Kay Rmer, John A. Stankovic

In 2020, there were 8 publications by 4 experts: Lothar Thiele, Thiemo Voigt, Kay Rmer, Gian Pietro Picco

10 out of the 20 experts published at this conference in 1 or more years

6 out of the 20 experts published at this conference in 3 or more years

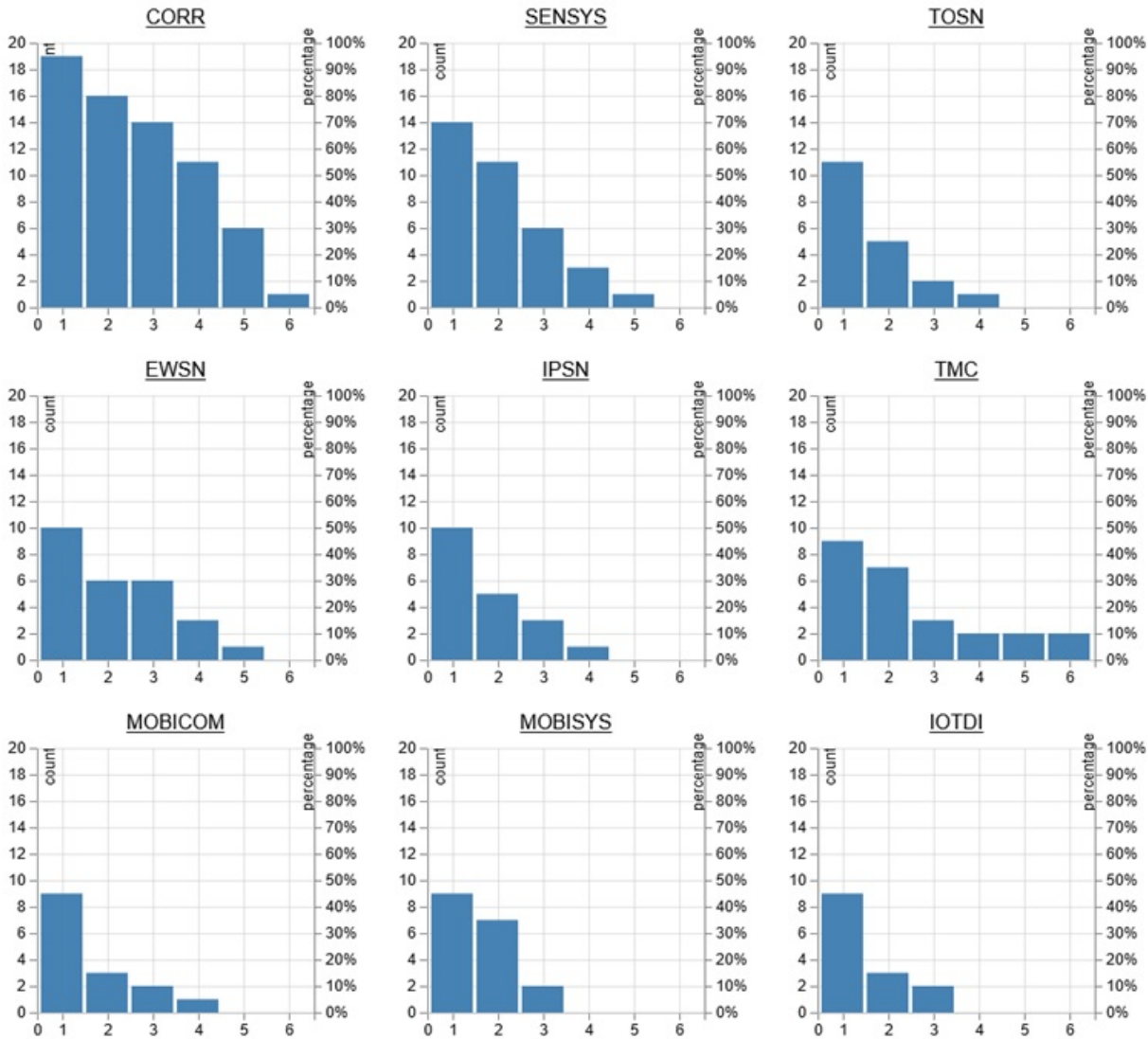
3 out of the 20 experts published at this conference in 4 or more years

1 out of the 20 experts published at this conference in 5 or more years WPP Report:

http://portal.core.edu.au/core/media/conf_rank_report/extra_info1800_top_people_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/extra_info1800_top_people_graph.jpg

These graphs show numbers of people publishing in multiple years. Each column shows number of people in that many or more years. The number publishing in a specific number of years can be seen by the difference with respect to the previous column.



[Additional 304 graphs](#)

Other Information

Other Relvant Info

Other relevant information: In section B) Metrics/Data, 2.1 ACM statistics, we do not provide data for paper downloads. The reason for this is that the pdf files are hosted outside ACM digital library which just references to these files. Therefore ACM digital library cannot provide meaningful statistics for paper downloads.

Attachments

N/A

Proposers

First name: Kay

Last name: R umer

Affiliation: Graz University of Technology

Email: roemer@tugraz.at

Submitted By

Name: Zakany Nora

Email: nora.zakany@tugraz.at