Submission Data for 2020-2021 CORE conference Ranking process
IEEE International Conference on Big Data

Uwe Roehm

Conference Details

Conference

Title: IEEE International Conference on Big Data
Acronym : BigData

Requested Rank

Rank: A

Primarily CS

Is this conference primarily a CS venue: True

Location

Not commonly held within a single country, set of countries, or region.

DBLP Link

DBLP url: `https://dblp.org/db/conf/bigdataconf/index.html`

FoR Codes

For1: 4605
For2: 4611
For3: 4602

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained
Link to most recent proceedings: `https://ieeexplore.ieee.org/xpl/conhome/8986695/proceeding`
Further details: The proceedings of the IEEE International Conference on Big Data are published by IEEE via the IEEE Xplore digital library.
The proceedings consist of regular and short papers, as well as posters. Full papers are up-to 10 pages long in IEEE two-column format, short papers are 2-4 pages long (including references). Both kinds of papers come from the same pool of full paper submissions, and as part of the reviewing process it is decided whether a submission is accepted as a full or as a short paper publication. Posters are in a separate submission pool. In the proceedings, the kind of papers can be distinguished by their length.
Besides the regular research track and the posters, the IEEE Big Data conference has also an industrial track. The Industrial track solicits papers describing implementations of Big Data solutions relevant to industrial settings. The focus of industry track is on papers that address the practical, applied, or pragmatic or new research challenge issues related to the use of Big Data in industry. Again, full papers (up to 10 pages) and extended abstracts (2-4 pages) are distinguished.
The conference adopts a single-blind review policy.

Most Recent Years

Most Recent Year

Year: 2019
URL: https://bigdataieee.org/BigData2019/
Location: Los Angeles, CA, USA
Papers submitted: 556
Papers published: 104
Acceptance rate: 19
Source for numbers: http://bigdataieee.org

General Chairs

Name: Roger Barga Affiliation: Amazon.com, USA Gender: M H Index: 20 GScholar url: DBLP url: https://dblp.org/pid/b/RogerSBarga.html
Name: Carlo Zaniolo Affiliation: UCLA, USA Gender: M H Index: 61 GScholar url: https://scholar.google.com/citations?user=f8FjAtMAAAAJ DBLP url: https://dblp.org/pid/z/CZaniolo.html

Program Chairs

Name: Chaitanya K. Baru Affiliation: San Diego Supercomputer Center/Univ. of California San Diego, USA Gender: M H Index: 23 GScholar url: https://www.semanticscholar.org/author/C.-Baru/3016139 DBLP url: https://dblp.org/pid/b/ChaitanyaKBaru.html
Name: Jun Huan Affiliation: Styling AI Inc, China Gender: M H Index: 30 GScholar url: https://scholar.google.com/citations?user=pu00nBoAAAAJ DBLP url: https://dblp.org/pid/58/2597.html
Name: Latifur Khan Affiliation: University of Texas at Dallas Gender: M H Index: 56 GScholar url: https://scholar.google.com/citations?user=8Qt10f4AAAAJ DBLP url: https://dblp.org/pid/k/LatifurKhan.html

Second Most Recent Year

Year: 2018
URL: https://cci.drexel.edu/bigdata/bigdata2018/
Location: Seattle, WA, USA
Papers submitted: 518
Papers published: 99
Acceptance rate: 19
Source for numbers: http://bigdataieee.org

General Chairs

Name: Donald Kossmann Affiliation: Microsoft Research, USA Gender: M H Index: 53 GScholar url: DBLP url: https://dblp.org/pid/k/DonaldKossmann.html
Name: Bing Liu Affiliation: University of Illinois at Chicago, USA Gender: M H Index: 94 GScholar url: https://scholar.google.com/citations?user=Kt1bjZoAAAAJ DBLP url: https://dblp.org/pid/l/BingLiu1.html

Program Chairs

Name: Kisung Lee
Affiliation: Louisiana State University, USA
Gender: M
H Index: 19
GScholar url: https://scholar.google.com/citations?user=LLrlZC8AAAAJ
DBLP url: https://dblp.org/pid/99/4464.html

Name: Jiliang Tang
Affiliation: Michigan State University, USA
Gender: M
H Index: 58
GScholar url: https://scholar.google.com/citations?user=WtzKMWAAAAAJ
DBLP url: https://dblp.org/pid/64/10812.html

Third Most Recent Year

Year: 2017
URL: https://cci.drexel.edu/bigdata/bigdata2017/
Location: Boston, MA, USA
Papers submitted: 437
Papers published: 79
Acceptance rate: 18
Source for numbers: https://www.openresearch.org/wiki/IEEE_BigData

General Chairs

Name: Ricardo Baeza-Yates
Affiliation: NTENT, USA / Northeastern University, USA
Gender: SELECT
H Index: 85
GScholar url: https://scholar.google.com/citations?user=v9xULZwAAAAJ
DBLP url: https://dblp.org/pid/b/RABaezaYates.html

Name: Xiaohua Tony Hu
Affiliation: Drexel University, USA
Gender: M
H Index: 56
GScholar url: https://scholar.google.com/citations?user=teYoANkAAAAJ
DBLP url: https://dblp.org/pid/h/XiaohuaHu.html

Name: Jeremy Kepner
Affiliation: MIT Lincoln Laboratory, USA
Gender: M
H Index: 44
GScholar url: https://scholar.google.com/citations?user=BSrwwfYAAAAJ
DBLP url: https://dblp.org/pid/25/6583.html

Program Chairs

Name: Jian-Yun Nie
Affiliation: University of Montreal, Canada
Gender: M
H Index: 48
GScholar url: https://scholar.google.com/citations?user=W7uYg0UAAAAJ
DBLP url: https://dblp.org/pid/n/JianYunNie.html

Name: Zoran Obradovic
Affiliation: Temple University, USA
Gender: M
H Index: 61
GScholar url: https://scholar.google.com/citations?user=iuNSO00AAAAJ
DBLP url: https://dblp.org/pid/92/1944.html

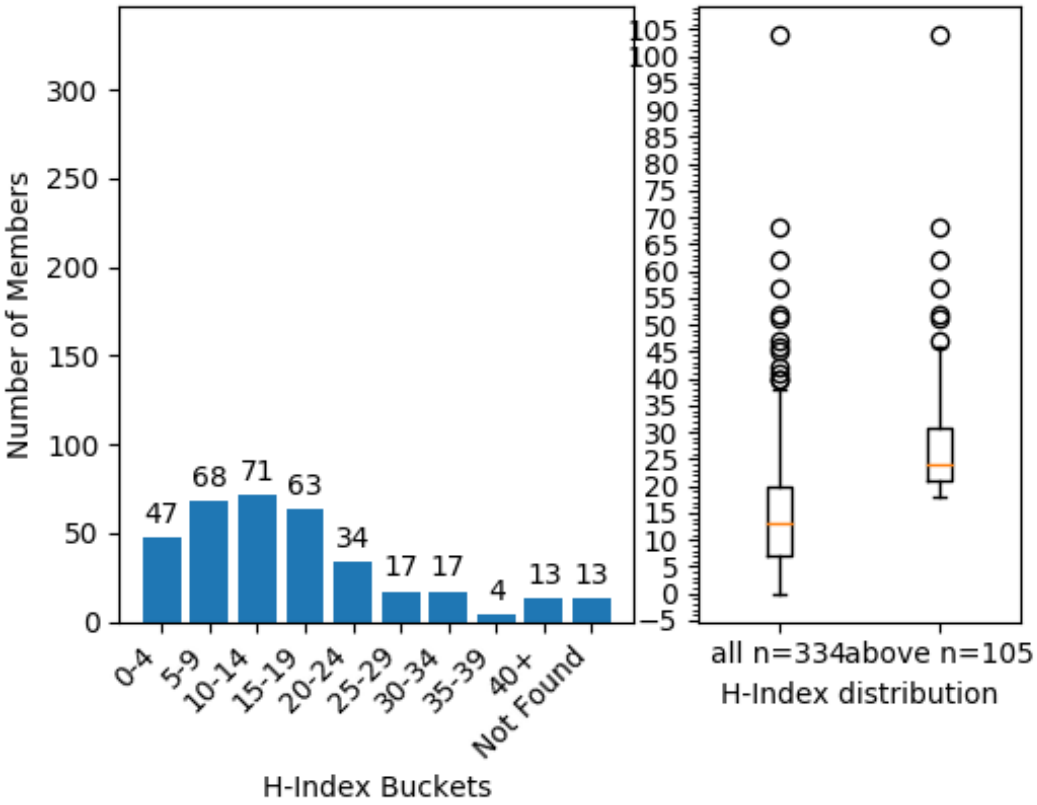
Name: Toyotaro Suzumura
Affiliation: IBM T.J. Watson Research Center, USA
Gender: M
H Index: 27
GScholar url: https://scholar.google.com/citations?user=tY3BWm0AAAAJ
DBLP url: https://dblp.org/pid/99/844.html

Policies

Chair Selection: IEEE Big Data applies the usual processes and criteria to select the conference chairs based on academic merit in the Big Data field. The conference chair should be a member of IEEE. Qualified individuals who are not members of IEEE may serve as sub-chairs or consultants to the conference.
Policy name: IEEE Code of Ethics
Policy url: https://www.ieee.org/about/corporate/governance/p7-8.html
Policy name: IEEE Policy Against Discrimination and Harassment
Policy url: https://www.ieee.org/content/dam/ieee-org/ieee/web/org/about/whatis/nondiscrimination.pdf
Policy name: IEEE Privacy Policy
Policy url: https://www.ieee.org/security-privacy.html

(Senior) Program Committee

Link to (s)pc: https://bigdataieee.org/BigData2020/ProgramCommittee.html
File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/IEEE_BigData2020_PC_K9ReOuw.tsv
H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1517.png
Information Contained within this graph is derived using the Elsevier Scopus Database 2021.



Data and Metrics

Google Scholar Metrics

Sub-category url: https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis
Position in sub-category: 8
Image of top 20: http://portal.core.edu.au/core/media/changes_h5/addrank1517_gscholar_minh5.png

Categories > Engineering & Computer Science > **Data Mining & Analysis**

	Publication	h5-index	h5-median
1.	ACM SIGKDD International Conference on Knowledge Discovery and Data Mining	90	144
2.	IEEE Transactions on Knowledge and Data Engineering	81	117
3.	International Conference on Artificial Intelligence and Statistics	57	89
4.	ACM International Conference on Web Search and Data Mining	54	95
5.	IEEE International Conference on Data Mining Workshop (ICDMW)	48	79
6.	ACM Conference on Recommender Systems	46	73
7.	Knowledge and Information Systems	43	60
8.	IEEE International Conference on Big Data	41	52
9.	ACM Transactions on Intelligent Systems and Technology (TIST)	39	65
10.	Data Mining and Knowledge Discovery	37	71
11.	Journal of Big Data	34	84
12.	SIAM International Conference on Data Mining (SDM)	33	52
13.	European Conference on Machine Learning and Knowledge Discovery in Databases	31	51
14.	ACM Transactions on Knowledge Discovery from Data (TKDD)	30	54
15.	Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery	29	62
16.	Social Network Analysis and Mining	24	30
17.	IEEE International Conference on Data Science and Advanced Analytics (DSAA)	23	41
18.	Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)	23	35
19.	Advances in Data Analysis and Classification	20	32
20.	Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis	19	42

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

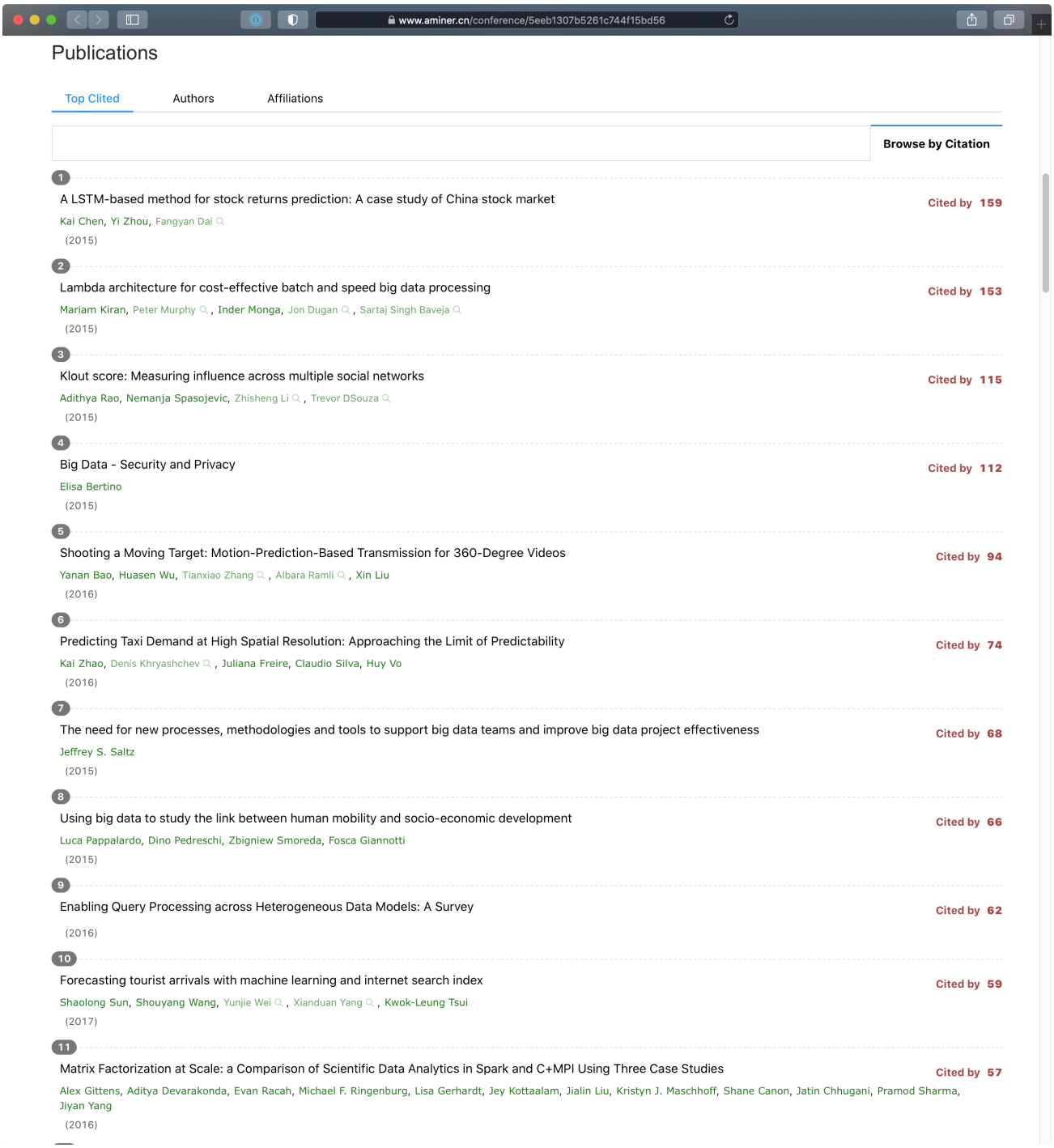
h5-index for this conference: 41

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 1
Aminer name: IEEE International Conference on Big Data
Acronym / shortname: none
h-5 index: 39
CCF level: C
THU level: 0
Top Aminer Cites: `http://portal.core.edu.au/core/media/conf_submissions_citations/addrank1517_aminer_top_cite.png`



Other Rankings

URL: `https://www.guide2research.com/topconf/`
Description: Guide2Research's Top Computer Science Conferences
"The Top Conferences Ranking for Computer Science & Electronics is prepared by Guide2Research[...] The ranking represents h-index, and Impact Score values gathered by November 10th 2020. It was based on a detailed examination of more than 1000 conference profiles and websites."
Note that this is a list across _all_CS conferences.
Rank: 169
Conferences in area: ICDE WWW AAAI IJCAI KDD IEEE BigData ICDM CIKM SDM PAKDD SSDBM

Top People Publishing Here

name: Philip S. Yu
justification: Philip S. Yu is a Fellow of the ACM and the IEEE, and a distinguished researcher in databases and data mining. He has an h-index of 168 and an i10-index of 1159 (`https://scholar.google.com/citations?user=D0lL1r0AAAAJ`).
Prof Yu has overall already 41 papers published in IEEE BigData with 130 citations.

Philip Yu is the Editor-in-Chief of ACM Transactions on Knowledge Discovery from Data, and on the steering committee of CIKM; in the past he was on the steering committee of the ICDM and ICDE conferences.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
13	9	8	8	2

Attendance: ALWAYS
name: Jiebo Luo
justification: Jiebo Luo is distinguished researcher in artificial intelligence, data science and computer vision. He is a Fellow of the ACM, AAAI, IEEE, IAPR, and SPIE.
Dr. Luo has been involved in numerous technical conferences, including serving as the program co-chair of ACM Multimedia 2010, IEEE CVPR 2012 and IEEE ICIP 2017. He is the Editor-in-Chief of the IEEE Transactions on Multimedia for the 2020-2022 term.
Jiebo Luo has an h-index of 94 and an i10-index of 341 (https://scholar.google.com/citations?user=CcbnBvgAAAAJ).
He is regularly publishing in IEEE Big Data, typically multiple papers, every year.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	4	4	7	3

Attendance: ALWAYS
name: Chengxiang Zhai
justification: Chengxiang Zhai is a Fellow of the ACM and an ACM Distinguished Scientist (2009) in text data mining and intelligent information systems, with special focus on big data challenges with text data.
He is associate editor of the ACM Transactions on Knowledge Discovery from Data, and was previously associate editor of the ACM Transactions on Information System and the Information Processing and Management journal. Dr Zhai was Program Co-Chair of many prestigious international conferences, such as WWW 2015, ACM SIGIR 2009, and ACM CIKM 2004, as well as conference Co-Chair if ACM WSDM 2018 and ACM CIKM 2016. He won many awards and honours, including three(!) times the ACM SIGIR Test of Time Paper Award.
Dr Zhai has an h-index of 83 and an i10-index of 254 (https://scholar.google.com/citations?user=YU-baPIAAAAJ)
Dr Zhai is regularly publishing in IEEE Big Data every years since 2014.
Paper counts:

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

Attendance: OFTEN
name: Xiaohua Hu
justification: Xiaohua Hu is an expert in big data and data mining in the context of bioinformatics. He has an h-index of 56 and an i10-index of 692 (https://scholar.google.com/citations?user=teYoANkAAAAJ)
Xiaohua Tony Hu is the founding Editor-in-Chief of the International Journal of Data Mining and Bioinformatics and is in the steering committee of IEEE Big Data since 2012. He has received the 2001 IEEE Data Mining Outstanding Service Award, the 2007 IEEE Bioinformatics and Bioengineering Outstanding Contribution Award, and the 2010 IEEE Granular Computing Outstanding Contribution Award, as well as multiple best paper awards in machine learning/AI and bioinformatics conferences.
He has written more than 280 peer-reviewed papers, and has a Google citation count of ¿20000. He is regularly publishing in IEEE Big Data since 2013.
Paper counts:

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

Attendance: ALWAYS
name: Latifur Khan
justification: Latifur Khan is international leader in Big Data Analytics. Dr. Khan is an ACM Distinguished Scientist and a Senior Member of IEEE.
He has chaired several conferences like IEEE Big Data 2019 and 20th Pacific Asia Conference on Knowledge Discovery and Data Mining (PAKDD) 2016. He serves (or has served) as associate editor on multiple editorial boards including the IEEE Transactions on Knowledge and Data Engineering (TKDE) journal.
Dr Khan has an h-index of 56 and an i10-index of 197 (https://scholar.google.com/citations?user=8Qt10f4AAAAJ)
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
3	1	4	1	0

Attendance: OFTEN
name: Alok N. Choudhary
justification: Alok N. Choudhary is working in the area of big data, data mining and high performance computing, and is a Fellow of the ACM, the IEEE and the American Academy of Science (AAAS).
He has received numerous prestigious awards including National Science Foundation's Presidential Young Investigator Award, IEEE Engineering Foundation award, an IBM Faculty award, and an Intel Research Council award. His papers have received the best paper awards in many conferences.
Dr Alok Choudhary has published more than 400 papers in various journals and international conferences; he has an h-index of 74 and an i10-index of 398 (https://scholar.google.com/citations?user=6nvFl5sAAAAJ)
He publishes regularly in IEEE Big Data since the first conference in 2013.
Paper counts:

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

Attendance: OFTEN
name: Alfredo Cuzzocrea
justification: Alfredo Cuzzocrea is Head of the Big Data Engineering and Analytics Lab of the University of Calabria, Italy - and he is a good representative for the various top European academics who publish in IEEE Big Data too (there are many more, such as Karl Aberer or Philippe CudrÃl'-Mauroux from Switzerland, but I am running out of space for this list).
Prof Cuzzocrea is recognized in prestigious international research rankings, such as: (i) Top Scientists in Computer Science and Electronics by Guide2Research, Clifton, NJ, USA; (ii) Top Italian Scientists in Computer Sciences by Virtual Italian Academy, Manchester, UK; (iii) Top Researchers in Computer Science 2013-2018 by SciVal âĂŞ Elsevier, Amsterdam, Netherlands.
He has an h-index of 44 and an i10-index of 126 (`https://scholar.google.com/citations?user=QPyHkEQAAAAJ)`
Alfredo Cuzzocrea is regularly publishing in IEEE Big Data since 2015.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
5	3	4	1	2

Attendance: OFTEN
name: Elke Rundensteiner
justification: Elke Rundensteiner is a leader in the Big Data field for many years, including having served as Associate Editor of prestigious journals including IEEE Transactions on Data and Knowledge Engineering and VLDB Journal, and as area chair on premiere database conferences, including ACM SIGMOD, VLDB, IEEE ICDE, and others.
Dr Rundensteiner has an h-index of 60 and an i10-index of 277 with well over 400 publications (`https://scholar.google.com/citations?user=iIFHZ1UAAAAJ)`
She started publishing regularly in IEEE Big Data since 2017.
Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
5	1	1	0	0

Attendance: SOMETIMES
name: Michael J Carey
justification: Michael J Carey is a distinguished and well renown database researcher. He is Fellow of the IEEE and the ACM, and a member of the National Academy of Engineering.
Dr. Carey won the ACM SIGMOD Edgar F. Codd Innovations Award (2005), the ACM SIGMOD Test of Time Award (2004), as well as the IEEE TCDE Computer Science, Engineering, and Education (CSEE) Impact Award, 2016.
He is publishing regularly in IEEE BigData since 2015.
Paper counts:

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

Attendance: SOMETIMES
name: Juliana Freire
justification: Juliana Freire is ACM Fellow and a well-known researcher in data management, data science and big data.
She has won many prestigious awards including the IBM Faculty Award and the best paper award at IEEE Visualization 2007. She served as program co-chair for VLDB 2009 and VLDB 2012, as vice-chair for WWW2003 and WWW2005, and as track chair for many renown international conferences, including SIGMOD 2012, SIGMOD 2003, ICDE 2007, CIKM 2008 and WWW 2008.
Dr Freire has an h-index of 59 and an i10-index of 160 (`https://scholar.google.com/citations?user=sSzAlq0AAAAJ&hl=en)`
Paper counts:

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

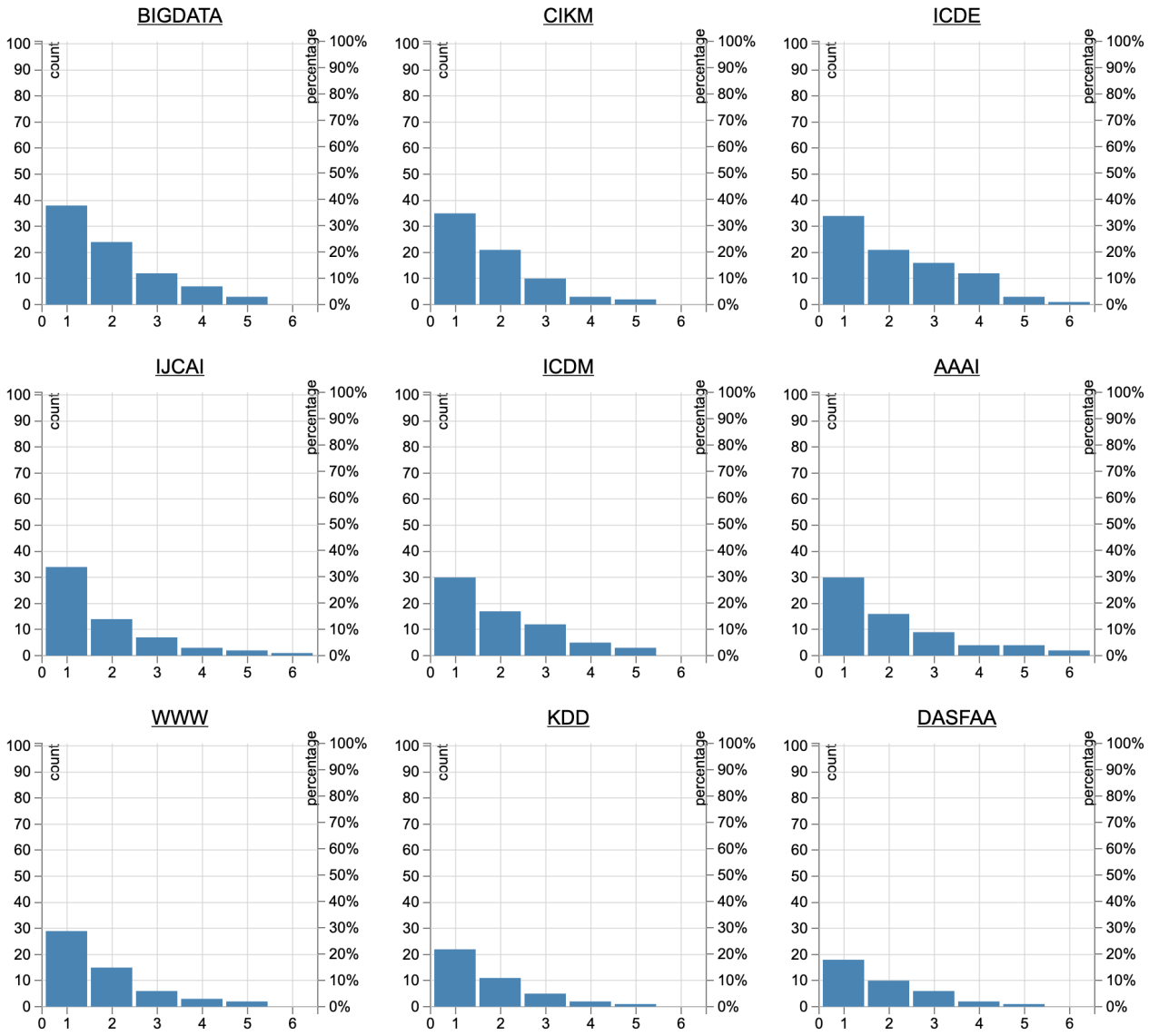
Attendance: SOMETIMES

Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/addrank1517_top_spc.csv
WPP Report: `http://portal.core.edu.au/core/media/conf_rank_report/addrank1517_spc_report.txt`
Graphs: `http://portal.core.edu.au/core/media/conf_rank_graphs/addrank1517_spc_graph.png`

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 552 graphs

Reference item: \\ Ranking order is first by number of the above people publishing in the venue, then by number of their publications, then by number of years with at least one publication from these people.
1. IEEE International Conference on Big Data (BigData)

This conference was published at 135 times by 38 of 101 experts in the last 5 years.

The experts that publish at this conference are: Ke Wang 0001(3), Haoyi Xiong(2), Hong Linh Truong 0001(1), Aidong Zhang(4), Abdullah Mueen(1), Ee-Peng Lim(4), Surendra Byna(4), Xiaofeng Meng 0001(1), Xiangliang Zhang 0001(3), Dimitrios Gunopulos(1), Sanjay Kumar Madria(1), Marios D. Dikaiakos(2), Chang-Tien Lu(5), Ankit Agrawal(6), Chengxiang Zhai(9), Shiyong Lu(4), Alfredo Cuzzocrea(14), Lin-Ching Chang(8), Vassilis J. Tsotras(2), Nick G. Duffield(1), Huan Liu 0001(1), Vana Kalogeraki(5), Karl Aberer(6), Brian D. Davison 0001(2), Ruoming Jin(3), Haiying Shen(9), Qiong Luo 0001(2), Alberto H. F. Laender(2), Yiping Ke(1), Le Gruenwald(11), Heiko Ludwig(1), Ali Raza Butt(2), Yinghui Wu(1), Xiangnan Kong(4), Yanmin Zhu(2), Liqiang Wang(1), Pan Li 0001(3), Surya Nepal(4)

In 2015, there were 28 publications by 19 experts: Le Gruenwald, Vassilis J. Tsotras, Ke Wang 0001, Huan Liu 0001, Haoyi Xiong, Marios D. Dikaiakos, Chang-Tien Lu, Heiko Ludwig, Vana Kalogeraki, Karl Aberer, Dimitrios Gunopulos, Aidong Zhang, Surendra Byna, Chengxiang Zhai, Shiyong Lu, Haiying Shen, Alfredo Cuzzocrea, Yanmin Zhu, Yiping Ke
In 2016, there were 28 publications by 15 experts: Le Gruenwald, Vana Kalogeraki, Marios D. Dikaiakos, Chang-Tien Lu, Karl Aberer, Surendra Byna, Yanmin Zhu, Chengxiang Zhai, Surya Nepal, Shiyong Lu, Haiying Shen, Alfredo Cuzzocrea, Lin-Ching Chang, Ee-Peng Lim, Ankit Agrawal
In 2017, there were 25 publications by 16 experts: Le Gruenwald, Xiangliang Zhang 0001, Ke Wang 0001, Sanjay Kumar

Madria, Ali Raza Butt, Vana Kalogeraki, Haiying Shen, Chang-Tien Lu, Aidong Zhang, Chengxiang Zhai, Surya Nepal, Shiyong Lu, Yinghui Wu, Alfredo Cuzzocrea, Ee-Peng Lim, Qiong Luo 0001
In 2018, there were 29 publications by 19 experts: Le Gruenwald, Xiangliang Zhang 0001, Xiangnan Kong, Surendra Byna, Abdullah Mueen, Vana Kalogeraki, Chang-Tien Lu, Liqiang Wang, Aidong Zhang, Ankit Agrawal, Chengxiang Zhai, Brian D. Davison 0001, Ruoming Jin, Alfredo Cuzzocrea, Lin-Ching Chang, Ee-Peng Lim, Alberto H. F. Laender, Pan Li 0001, Xiaofeng Meng 0001
In 2019, there were 25 publications by 15 experts: Le Gruenwald, Vassilis J. Tsotras, Nick G. Duffield, Chengxiang Zhai, Haoyi Xiong, Hong Linh Truong 0001, Ankit Agrawal, Alfredo Cuzzocrea, Brian D. Davison 0001, Ruoming Jin, Shiyong Lu, Haiying Shen, Xiangnan Kong, Lin-Ching Chang, Pan Li 0001

38 out of the 101 experts published at this conference in 1 or more years
24 out of the 101 experts published at this conference in 2 or more years
12 out of the 101 experts published at this conference in 3 or more years
7 out of the 101 experts published at this conference in 4 or more years
3 out of the 101 experts published at this conference in 5 or more years

Top People Report

Method of selection: Experts were selected via Google Scholar by taking the top-3 (in terms of h-index) academics in computer science of each of the following categories (as labelled by the academics themselves on their profiles): ”Big Data”, ”Big Data Analytics”, ”Databases and Data Analytics”, ”Web Data Management”, ”Data Mining”, ”Machine Learning”, and ”Data Science”. All academics had still to be actively publishing in computer science venues in the recent 5 years, with an h-index greater than 50. I also made sure that affiliations occurred only once and that all continents are represented (14 x USA, 1 x Canada, 2 x Germany, 1 x HK, 1 x Singapore and 1 x Australia), as well as male and female researchers.
Keyword: ”Big Data”, ”Big Data Analytics”, ”Databases and Data Analytics”, ”Web Data Management”, ”Data Mining”, ”Machine Learning”, ”Data Science”

name	h-index	gscholar url
Jiawei Han	180	https://scholar.google.com/citations?user=Kv9AbjMAAAAJ
Philip S. Yu	168	https://scholar.google.com/citations?user=D0lL1r0AAAAJ
Christos Faloutsos	135	https://scholar.google.com/citations?user=nd8lQQIAAAAJ
Ion Stoica	134	https://scholar.google.com/citations?user=vN-is70AAAAJ
Klaus-Robert MÃijller	126	https://scholar.google.com/citations?user=jplQac8AAAAJ
Vipin Kumar	120	https://scholar.google.com/citations?user=BnxU9TEAAAAJ
Jeffrey D. Ullman	115	https://scholar.google.com/citations?user=wUJ2bXgAAAAJ
Huan Liu	110	https://scholar.google.com/citations?user=Dzf46C8AAAAJ
Qiang Yang	109	https://scholar.google.com/citations?user=1LxWZLQAAAAJ
Alon Y. Halevy	104	https://scholar.google.com/citations?user=F_MI0pcAAAAJ
Michael J. Franklin	101	https://scholar.google.com/citations?user=p0sQC6sAAAAJ
Gerhard Weikum	94	https://scholar.google.com/citations?user=vNAD0mAAAAAJ
Jiebo Luo	94	https://scholar.google.com/citations?user=CcbnBvgAAAAJ
Jian Pei	91	https://scholar.google.com/citations?user=zIMEVKsAAAAJ
Surajit Chaudhuri	89	https://scholar.google.com/citations?user=ermwnH0AAAAJ
Beng Chin Ooi	81	https://scholar.google.com/citations?user=9560QjYAAAAJ
Ling Liu	70	https://scholar.google.com/citations?user=VIwtdckAAAAJ
Juliana Freire	59	https://scholar.google.com/citations?user=sSzAlq0AAAAJ
Magdalena Balazinska	58	https://scholar.google.com/citations?user=DDxFvcIAAAAJ
Xiaofang Zhou	56	https://scholar.google.com/citations?user=y6m820wAAAAJ

Reference item: \\ 8. IEEE International Conference on Big Data (BigData)

This conference was published at 82 times by 11 of 20 experts in the last 5 years.

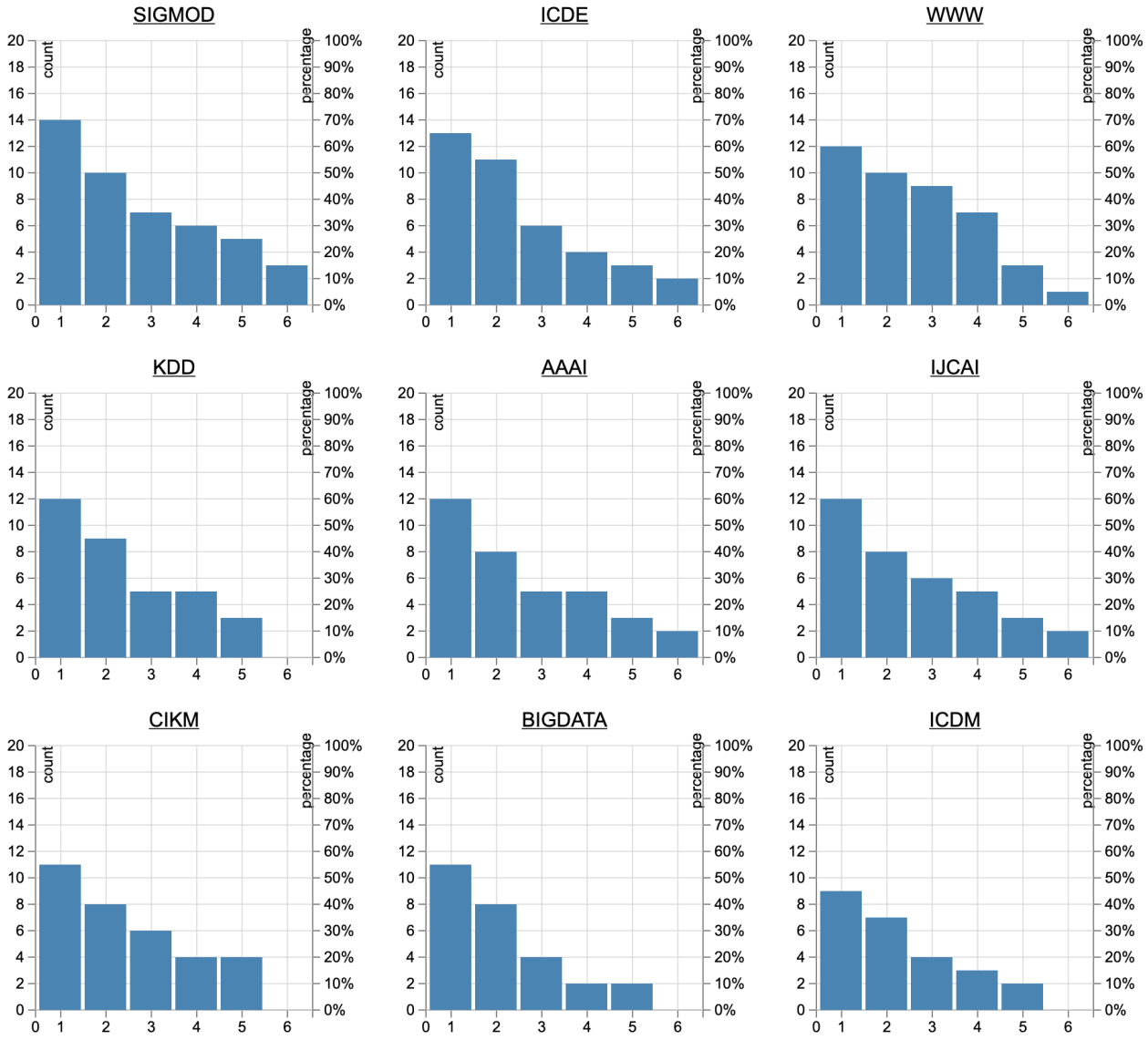
The experts that publish at this conference are: Jiebo Luo(19), Huan Liu 0001(1), Qiang Yang 0001(3), Vipin Kumar(5), Jiawei Han 0001(3), Ling Liu 0001(5), Christos Faloutsos(1), Michael J. Franklin(1), Juliana Freire(3), Jeffrey D. Ullman(2), Philip S. Yu(39)

In 2015, there were 10 publications by 7 experts: Jiebo Luo, Huan Liu 0001, Christos Faloutsos, Michael J. Franklin, Philip S. Yu, Qiang Yang 0001, Juliana Freire
In 2016, there were 19 publications by 6 experts: Jiebo Luo, Vipin Kumar, Jiawei Han 0001, Philip S. Yu, Jeffrey D. Ullman, Juliana Freire
In 2017, there were 14 publications by 4 experts: Jiebo Luo, Vipin Kumar, Jeffrey D. Ullman, Philip S. Yu
In 2018, there were 16 publications by 3 experts: Jiebo Luo, Ling Liu 0001, Philip S. Yu
In 2019, there were 23 publications by 7 experts: Jiebo Luo, Jiawei Han 0001, Ling Liu 0001, Juliana Freire, Vipin Kumar, Qiang Yang 0001, Philip S. Yu

11 out of the 20 experts published at this conference in 1 or more years
8 out of the 20 experts published at this conference in 2 or more years

4 out of the 20 experts published at this conference in 3 or more years
2 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/addrank1517_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/addrank1517_top_people_graph.png

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 196 graphs

Other Information

Comparator Comparison

Comparator

ACM International Conference on Information and Knowledge Management

Explanation as to why conference is superior to comparator:
Both conferences are very comparable and at about the same academic level.
According to Google Scholar, the h5-index of IEEE BigData is 41 versus an h5-index of 54 for CIKM. Note that IEEE BigData is still a relative young conference (the first IEEE BigData conference was in 2013), hence its h5 index might still be lower than CIKM which is much established (it started in 1992).
The acceptance rates in recent years of IEEE BigData (18% to 19%) and of CIKM are very comparable (19%, 18% and 20%).
CIKM is the 7th most preferred venue in WPP for top people, whereas IEEE BigData is 8th.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1517_631.pdf

Comparator

Pacific-Asia Conference on Knowledge Discovery and Data Mining

Explanation as to why conference is superior to comparator:
The h5-index of IEEE BigData is almost double as high than that of PAKDD (BigData: 41 vs 23 for PAKDD according to Google Scholar).
Google Scholar ranks both conferences in the sub-category of ”Data Mining and Analysis”, with BigData on rank 8 versus rank 18 for PAKDD.
The acceptance rates in recent years are lower at IEEE BigData (18%-19%) than for PAKDD (21%, 24% and 28%).
IEEE BigData is the 8th most preferred venue in WPP for top people, whereas PAKDD is 23rd.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1517_633.pdf

Comparator

International Conference on Scientific and Statistical Data Base Management

Explanation as to why conference is superior to comparator:
The h5-index of IEEE BigData is almost three-times higher than that of SSDBM (BigData: 41 vs 16 for SSDBM according to Google Scholar).
Google Scholar ranks IEEE Big Data in both the sub-categories of ”Data Mining and Analysis” (rank 8) and ”Databases and Information Systems” (rank 14), while SSDBM is not ranked in the top-20 of either category.
IEEE BigData is the 8th most preferred venue in WPP for top people, whereas SSDBM is 36th.
The acceptance rates in recent years are much lower at IEEE BigData (below 20%) than at SSDBM (30%, 31% and 24%). IEEE BigData receives also many times as many submissions than SSDBM (e.g. in 2019: 559 submissions for IEEE BigData with 19% acceptance rate versus 50 submissions and 30% acceptance rate at SSDBM). The PC chairs of IEEE BigData seem also in general much more senior than at SSDBM.
When SSDBM remains ranked level A, IEEE BigData should be ranked at very least rank A too, if not higher...
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1517_634.pdf

Comparator

SIAM International Conference on Data Mining

Explanation as to why conference is superior to comparator:
The h5-index of IEEE BigData is higher than that of SDM (BigData: 41 vs 33 for SDM according to Google Scholar).
Google Scholar ranks both conferences in the sub-category of ”Data Mining and Analysis”, with IEEE BigData on rank 8 versus rank 12 for SDM.
IEEE BigData is the 8th most preferred venue in WPP for top people, whereas SDM is 13th.
The acceptance rates in recent years are lower at IEEE BigData (18% - 19%) than at SDM (23%, 23% and 26%).
The quality of the PC members seems on both sides in general very good, though according to this website’s processing tool here, IEEE BigData has more top SPC members than SDM.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1517_635.pdf

Comparator

European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Database (PKDD and ECML combined from 2008)

Explanation as to why conference is superior to comparator:
The h5-index of IEEE BigData is 41, while the h5-index for ECML/PKDD is lower at 31 according to Google Scholar.
Google Scholar ranks both conferences in the sub-category of ”Data Mining and Analysis”, with IEEE BigData on rank 8 versus rank 13 for ECML/PKDD.
IEEE BigData is the 8th most preferred venue in WPP for top people, whereas ECML/PKDD is 12th.
The acceptance rates in recent years are much lower at IEEE BigData (18%-19%) than at ECML/PKDD (2019: 18%, 2018: 27% and 2017: 29%).
The quality of the PC members seems to be higher with IEEE BigData than with ECML/PKDD, and IEEE BigData has more senior PC chairs than ECML/PKDD: The average h-index for PC-co-chairs in IEEE BigData between 2017-2019 was 42.7, compared to an average h-index of 30.3 for PC co-chairs of ECML/PKDD during the same time period.
Link to comparator report:
http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1517_747.pdf

Other Relvant Info

Other relevant information: IEEE BigData has established itself well in the recent years and has risen in size considerably recently. It has consitently strong and large program committees and senior general and PC chairs. In many metrics it easily beats many level A conferences and is comparable already to some of the lower-tier level A* conferences such as ICDM or WSDM (compare the top-people publication analysis of the WPP tool). I hence suggest to rank it on the top-end of level A or even at the lower end of level A*.

Attachments

N/A

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