



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

Jiuyong Li

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: 4611
For2: 4602
For3: 4601

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained

Link to most recent proceedings: <https://ieeexplore.ieee.org/xpl/conhome/1802964/all-proceedings>

Further details: The proceedings are published by IEEE. A part from main track papers, the proceedings also contains other papers such as short papers, workshop papers and posters. Papers of each types are arranged by category.

Most Recent Years

Most Recent Year

Year: 2019
URL: <http://bigdataieee.org/BigData2019>
Location: Los Angeles, CA, USA
Papers submitted: 567
Papers published: 106
Acceptance rate: 19
Source for numbers: <https://bigdataieee.org>

General Chairs

Name: Carlo Zaniolo Affiliation: UCLA, USA Gender: M H Index: 61 GScholar url: https://scholar.google.com/citations?user=f8FjAtMAAAAJ&hl=en DBLP url: https://dblp.org/pid/z/CZaniolo.html
Name: Roger Barga Affiliation: Amazon.com, USA Gender: M H Index: 9 GScholar url: https://www.semanticscholar.org/author/Roger-Barga/3359621 DBLP url: https://dblp.org/pid/b/RogerSBarga.html

Program Chairs

Name: Chaitanya Baru Affiliation: San Diego Supercomputer Center/Univ. of California San Diego, USA Gender: M H Index: 17 GScholar url: https://scholar.google.com/citations?user=8XL855sAAAAJ&hl=en DBLP url: https://dblp.org/pid/b/ChaitanyaKBaru.html
Name: Jun (Luke) Huan Affiliation: Styling AI Inc., China Gender: M H Index: 30 GScholar url: https://scholar.google.com/citations?user=pu0OnBoAAAAJ&hl=en DBLP url: https://dblp.org/pid/58/2597.html
Name: Latifur Khan Affiliation: University of Texas at Dallas, USA Gender: M H Index: 56 GScholar url: https://scholar.google.com/citations?user=8Qt10f4AAAAJ&hl=en DBLP url: https://dblp.org/pid/k/LatifurKhan.html

Second Most Recent Year

Year: 2018
URL: <http://bigdataieee.org/BigData2018/>
Location: Seattle, WA USA
Papers submitted: 502
Papers published: 99
Acceptance rate: 20
Source for numbers: <https://bigdataieee.org>

General Chairs

Name: Bing Liu Affiliation: University of Illinois at Chicago, USA Gender: M H Index: 94 GScholar url: https://scholar.google.com/citations?user=Kt1bjZoAAAAJ&hl=en DBLP url: https://dblp.org/pid/l/BingLiu1.html
Name: Donald Kossmann Affiliation: Microsoft Research, USA Gender: M H Index: 51 GScholar url: https://www.semanticscholar.org/author/D.-Kossmann/1691108 DBLP url: https://dblp.org/pid/k/DonaldKossmann.html

Program Chairs

<p>Name: Naoki Abe Affiliation: IBM T.J. Watson Research Center, USA Gender: M H Index: 36 G Scholar url: https://scholar.google.com/citations?user=9AUbp6QAAAAJ&hl=en DBLP url: https://dblp.org/pid/88/6485.html</p>
<p>Name: Huan Liu Affiliation: Arizona State University, USA Gender: M H Index: 110 G Scholar url: https://scholar.google.com/citations?user=Dzf46C8AAAAJ&hl=en DBLP url: https://scholar.google.com/citations?user=Dzf46C8AAAAJ&hl=en</p>
<p>Name: Calton Pu Affiliation: Georgia Tech, USA Gender: M H Index: 66 G Scholar url: https://scholar.google.com/citations?user=Vbv-JEwAAAAJ&hl=en DBLP url: https://dblp.org/pid/p/CaltonPu.html</p>

Third Most Recent Year

Year: 2017
URL: <http://bigdataieee.org/BigData2017>
Location: Boston, MA, USA
Papers submitted: 437
Papers published: 79
Acceptance rate: 18
Source for numbers: <https://ieeexplore.ieee.org/document/8257895>

General Chairs

<p>Name: Ricardo Baeza-Yates Affiliation: NTENT, USA / Universitat Pompeu Fabra, Spain Gender: M H Index: 85 G Scholar url: https://scholar.google.co.uk/citations?user=v9xULZwAAAAJ&hl=en DBLP url: https://dblp.org/pid/b/RABaezaYates.html</p>
<p>Name: Xiaohua Tony Hu Affiliation: Drexel University, USA Gender: M H Index: 55 G Scholar url: https://scholar.google.com/citations?user=teYoANKAAAAJ&hl=en DBLP url: https://scholar.google.com/citations?user=teYoANKAAAAJ&hl=en</p>
<p>Name: Jeremy Kepner Affiliation: MIT Lincoln Laboratory, USA Gender: M H Index: 44 G Scholar url: https://scholar.google.com/citations?user=BSrwwfYAAAAJ&hl=en DBLP url: https://dblp.org/pid/25/6583.html</p>

Program Chairs

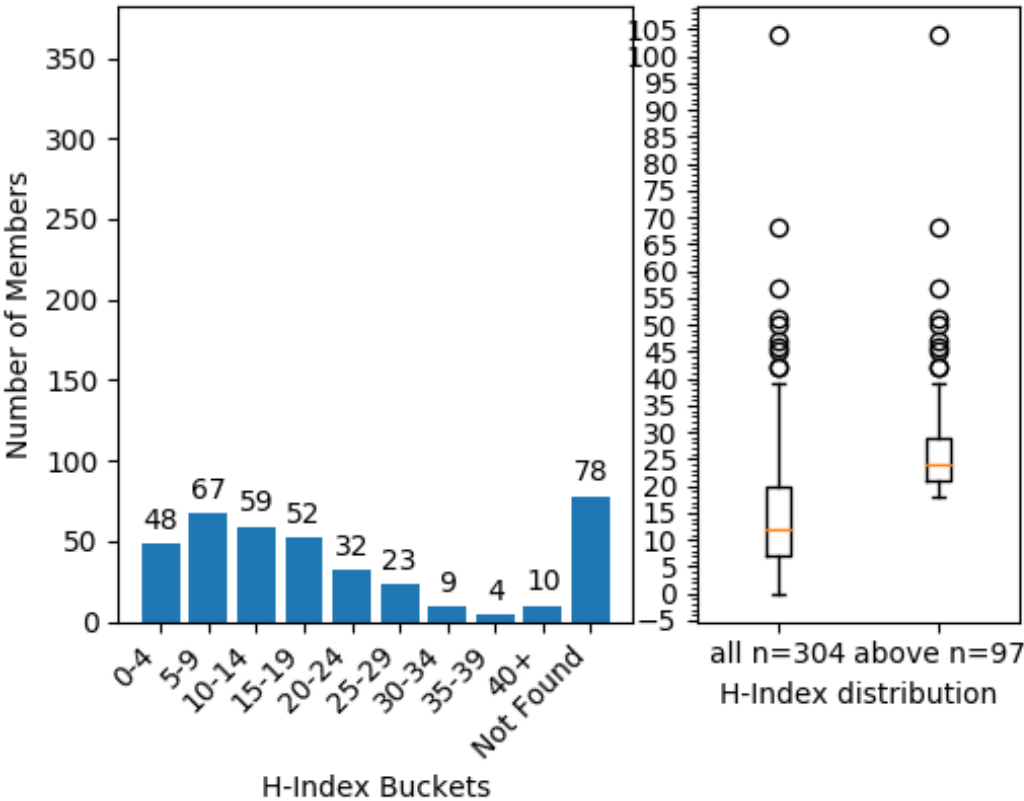
Name: Jian-Yun Nie Affiliation: University of Montreal, Canada Gender: M H Index: 48 GScholar url: http://scholar.google.com/citations?user=W7uYg0UAAAAAJ&hl=en DBLP url: https://dblp.org/pid/n/JianYunNie.html
Name: Zoran Obradovic Affiliation: Temple University, USA Gender: M H Index: 61 GScholar url: https://scholar.google.com/citations?user=iuNS000AAAAAJ&hl=en 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=tY3BwM0AAAAAJ&hl=en DBLP url: https://dblp.org/pid/99/844.html

Policies

Chair Selection: At least one PC and general chair are from industry respectively.
 Policy name: Event Conduct and Safety Statement Language
 Policy url: <http://bigdataieee.org/BigData2020/files/ECSS.pdf>

(Senior) Program Committee

Link to (s)pc: <http://bigdataieee.org/BigData2019/ProgramCommittee.html>
 File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/spclist-BigData.txt
 H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1418.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/addrank1418_gscholar_minh5.png

 Top publications

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

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

h5-index for this conference: 41

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 60

Aminer name: IEEE International Conference on Big Data

Acronym / shortname: BigData

h-5 index: 39

CCF level: C

THU level:

Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/addrank1418_aminer_top_cite.png

Publications

Top Cited	Authors	Affiliations	
			Browse by Citation
1	Scalable sentiment classification for Big Data analysis using Naïve Bayes Classifier		Cited by 195
	Bingwei Liu, Erik Blasch, Yu Chen, Dan Shen, Genshe Chen (2013)		
2	A LSTM-based method for stock returns prediction: A case study of China stock market		Cited by 159
	Kai Chen, Yi Zhou, Fangyan Dai (2015)		
3	Frequent Itemset Mining for Big Data		Cited by 154
	Sandy Moens, Emin Aksehirli, Bart Goethals (2013)		
4	Immersive and collaborative data visualization using virtual reality platforms		Cited by 153
	Ciro Donalek, S. George Djorgovski, Scott Davidoff, Alex Cioc, Anwell Wang, Giuseppe Longo, Jeffrey S. Norris, Jerry Zhang, Elizabeth Lawler, Stacy Yeh, Ashish Mahabal, Matthew J. Graham (2014)		
5	Lambda architecture for cost-effective batch and speed big data processing		Cited by 153
	Mariam Kiran, Peter Murphy, Inder Monga, Jon Dugan, Sartaj Singh Baveja (2015)		
6	A look at challenges and opportunities of Big Data analytics in healthcare		Cited by 151
	Raghunath Nambiar, Ruchie Bhardwaj, Adhiraaj Sethi, Rajesh Vargheese (2013)		
7	Geotagging one hundred million Twitter accounts with total variation minimization		Cited by 143
	Ryan Compton, David Jurgens, David Allen (2014)		
8	Optimizing load balancing and data-locality with data-aware scheduling		Cited by 128
	Ke Wang, Xiaobing Zhou, Tonglin Li, Dongfang Zhao, Michael Lang, Ioan Raicu (2014)		
9	FusionFS: Toward supporting data-intensive scientific applications on extreme-scale high-performance computing systems		Cited by 126
	Dongfang Zhao, Zhao Zhang, Xiaobing Zhou, Tonglin Li, Ke Wang, Dries Kimpe, Philip H. Carns, Robert B. Ross, Ioan Raicu (2014)		
10	Modeling and querying data in NoSQL databases		Cited by 123
	Karamjit Kaur, Rinkle Rani (2013)		
11			

Other Rankings

Not aware of any other Rankings

Conferences in area:

Top People Publishing Here

Not Providing Top People Publishing Here

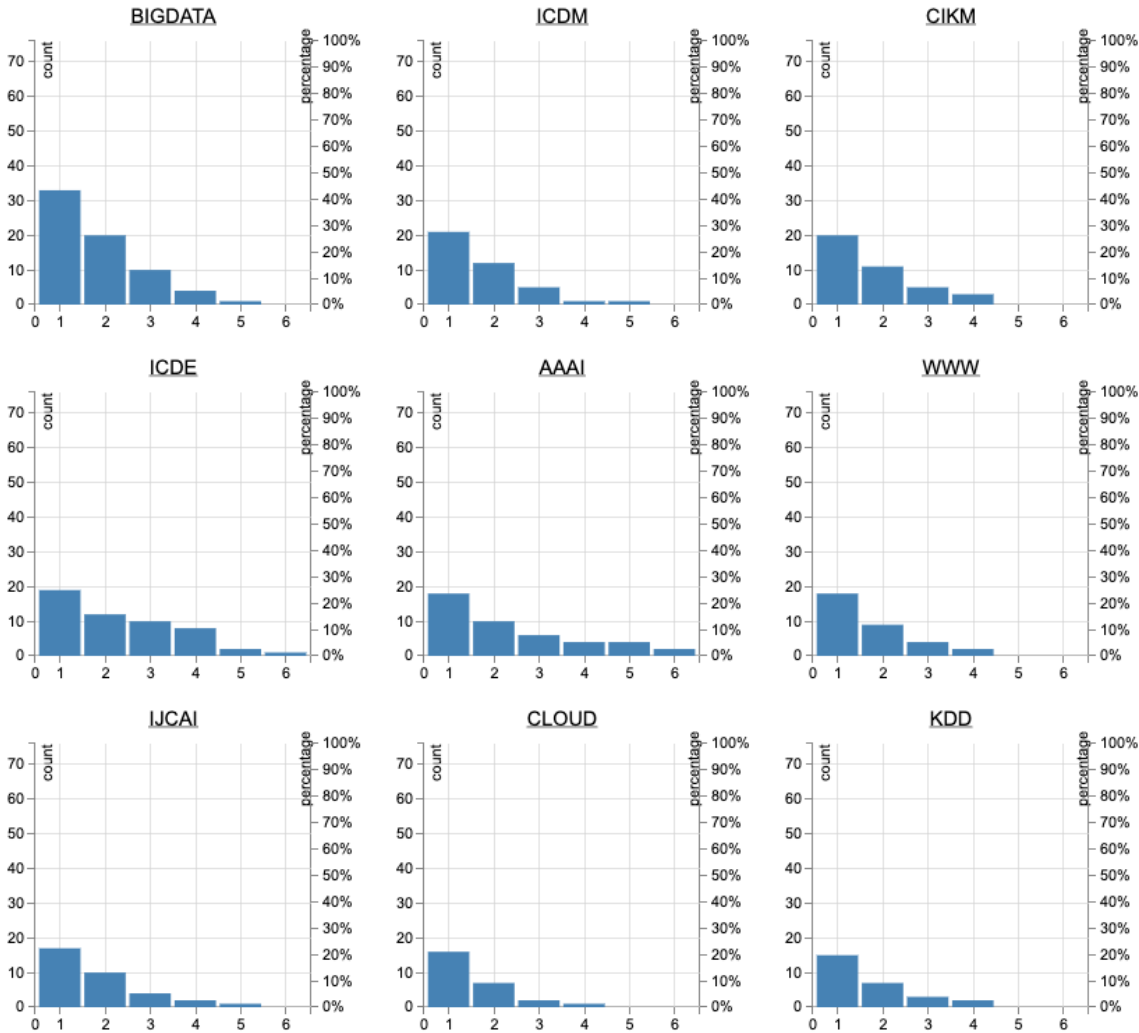
Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/addrank1418_top_spc.csv

WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/addrank1418_spc_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/addrank1418_spc_graph.png



Reference item: \\ 1. IEEE International Conference on Big Data (BigData)

 This conference was published at 99 times by 33 of 76 experts in the last 5 years.

The experts that publish at this conference are: Hidemoto Nakada(5), Ming-Syan Chen(3), Haoyi Xiong(2), Aidong Zhang(4), Abdullah Mueen(1), Nick G. Duffield(1), Edward Curry(1), Alexandros Labrinidis(2), Ankit Agrawal(6), David R. Kaeli(2), Xiaofeng Meng 0001(1), Xiangliang Zhang 0001(3), Sanjay Kumar Madria(1), Marios D. Dikaiakos(2), Surendra Byna(4), Shiyong Lu(4), Brian D. Davison 0001(2), James B. D. Joshi(1), Amarnath Gupta(2), Vana Kalogeraki(5), Elisa Bertino(8), Ruoming Jin(3), Haiying Shen(9), Yiping Ke(1), Le Gruenwald(11), Sihem Amer-Yahia(1), Heiko Ludwig(1), Ali Raza Butt(2), Yinghui Wu(1), Yanmin Zhu(2), Liqiang Wang(1), Ming Shao(3), Surya Nepal(4)

In 2015, there were 17 publications by 12 experts: Le Gruenwald, Ming-Syan Chen, Vana Kalogeraki, Haoyi Xiong, Heiko Ludwig, Aidong Zhang, Surendra Byna, Marios D. Dikaiakos, Shiyong Lu, Haiying Shen, Yanmin Zhu, Yiping Ke

In 2016, there were 22 publications by 14 experts: Le Gruenwald, Hidemoto Nakada, Amarnath Gupta, Ming-Syan Chen, Vana Kalogeraki, Marios D. Dikaiakos, Yanmin Zhu, Elisa Bertino, Ankit Agrawal, Surya Nepal, Shiyong Lu, Haiying Shen, Alexandros Labrinidis, Surendra Byna

In 2017, there were 21 publications by 14 experts: Hidemoto Nakada, Le Gruenwald, Sanjay Kumar Madria, Ali Raza Butt, Aidong Zhang, Vana Kalogeraki, Haiying Shen, Elisa Bertino, Xiangliang Zhang 0001, Amarnath Gupta, Surya Nepal, Shiyong Lu, Yinghui Wu, Ming Shao

In 2018, there were 21 publications by 16 experts: Hidemoto Nakada, Le Gruenwald, Surendra Byna, Abdullah Mueen, Vana Kalogeraki, Ming Shao, Aidong Zhang, Xiangliang Zhang 0001, Brian D. Davison 0001, Ruoming Jin, Xiaofeng Meng 0001, Alexandros Labrinidis, Liqiang Wang, Ankit Agrawal, David R. Kaeli, James B. D. Joshi

In 2019, there were 18 publications by 12 experts: Le Gruenwald, Nick G. Duffield, Haoyi Xiong, Sihem Amer-Yahia, Elisa Bertino, Ankit Agrawal, Brian D. Davison 0001, Ruoming Jin, Shiyong Lu, Haiying Shen, Edward Curry, Ming Shao

33 out of the 76 experts published at this conference in 1 or more years
20 out of the 76 experts published at this conference in 2 or more years
10 out of the 76 experts published at this conference in 3 or more years
4 out of the 76 experts published at this conference in 4 or more years
1 out of the 76 experts published at this conference in 5 or more years

Top People Report

Not providing Top People Report

Other Information

Comparator Comparison

Comparator

SIAM International Conference on Data Mining

Explanation as to why conference is superior to comparator:

h5 index of IEEE International Conference on Big Data is 41, while the h5-index of SDM is 33.

In Google Scholar metrics rank,

https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis Big Data is ranked as 8 and SIAM is ranked as 12.

Aminer Rank of IEEE International Conference on Big Data is 60 whereas the ranking of SDM is 82.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1418_525.pdf

Comparator

Pacific-Asia Conference on Knowledge Discovery and Data Mining

Explanation as to why conference is superior to comparator:

h5 index of IEEE International Conference on Big Data is 41, while the h5-index of PAKDD is 23.

In Google Scholar metrics rank,

https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis Big Data is ranked as 8 and PAKDD is ranked as 18.

Aminer Rank of IEEE International Conference on Big Data is 60 whereas the ranking of PAKDD is 147.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1418_749.pdf

Attachments

N/A

Proposers

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