

Submission Data for 2020-2021 CORE conference Ranking process IEEE International Conference on Data Science and Advanced Analytics

Longbing Cao, Francesco Bonchi, Hiroshi Motoda, Takashi Washio, Joao Gama, Joshua Zhexue Huang, Osmar Zaiane

Conference Details

Conference

Title: IEEE International Conference on Data Science and Advanced Analytics Acronym : DSAA

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/dsaa/index.html

FoR Codes

For1: 4605 For2: SELECT For3: SELECT

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained

Link to most recent proceedings: https://ieeexplore.ieee.org/xpl/conhome/1806384/all-proceedings Further details: DSAA proceedings have been always published in IEEE Xplore.

DSAA consists of two main tracks: Research Track and Application Track managed by Research and Application program chairs respectively. Main track papers may be accepted as long presentation papers and regular (short) presentation papers, but their sizes are the same, namely, up to 10-pages in the IEEE double-column format.

Due to the following format constraint, we cannot report the Research/Application track and the long/regular acceptance rates separately. Instead, the reported submission and acceptance data are the average results of both main tracks. More information can be found in https://dsaa.co/past-conferences/.

There may be other special tracks such as Special Session Tracks, Student Poster, and Industry Poster, depending on the PC chairs' decision. If they appear, their papers are distinguished from the main tracks by separate review and having their corresponding track names as the headings for the respectively accepted track papers in the proceedings. More information about track management and operation can be found in https://dsaa.co/dsaa-conference-guide/.

Most Recent Years

Most Recent Year

Year: 2019 URL: http://dsaa2019.dsaa.co/ Location: Washington DC, USA Papers submitted: 206 Papers published: 57 Acceptance rate: 28 Source for numbers: https://dsaa.co/past-conferences/

General Chairs

Name: Philip S Yu Affiliation: University of Illinois at Chicago, USA Gender: M H Index: 165 GScholar url: https://scholar.google.com/citations?user=D01L1r0AAAAJ DBLP url: https://dblp.org/pid/y/PhilipSYu.html Name: Richard De Veaux Affiliation: Williams College, USA Gender: M H Index: 23 GScholar url: https://scholar.google.com/citations?user=OF8ez9kAAAAJ DBLP url: https://dblp.uni-trier.de/pid/39/1958.html

Program Chairs

Name: George Karypis (Research)
Affiliation: University of Minnesota, USA
Gender: M
H Index: 96
GScholar url: https://scholar.google.com/citations?user=ElqwScwAAAAJ
DBLP url: https://dblp.org/pid/k/GeorgeKarypis.html
Name: Jeffrey Xu Yu (Research)
Affiliation: Chinese University of Hong Kong
Gender: M
H Index: 73
GScholar url: https://scholar.google.com/citations?user=iHevumsAAAAJ
DBLP url: https://dblp.org/pid/y/JXuYu.html
Name: Jennifer Hill (Research)
Affiliation: New York University
Gender: F
H Index: 38
GScholar url: https://scholar.google.com/citations?user=dAUoW5AAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/09/10523.html
Name: Francesco Bonchi (Application)
Affiliation: ISI Foundation
Gender: M
H Index: 57
GScholar url: https://scholar.google.com/citations?user=R1Jt75cAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/b/FBonchi.html
Name: Roger Hoerl (Application)
Affiliation: Union College
Gender: M
H Index: 31
GScholar url: https://scholar.google.com/citations?user=c-UCZ4kAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.uni-trier.de/pid/191/7285.html

Second Most Recent Year

Year: 2018 URL: https://dsaa2018.isi.it/home Location: Turin, Italy Papers submitted: 151 Papers published: 50 Acceptance rate: 33 Source for numbers: https://dsaa.co/past-conferences/

General Chairs

Name: Francesco Bonchi Affiliation: ISI Foundation, Italy Gender: M H Index: 57 GScholar url: https://scholar.google.com/citations?user=R1Jt75cAAAAJ DBLP url: https://dblp.org/pid/b/FBonchi.html Name: Foster Provost Affiliation: New York University, USA Gender: M H Index: 60 GScholar url: https://scholar.google.com/citations?user=-Km63D4AAAAJ DBLP url: https://dblp.uni-trier.de/pid/p/FosterJProvost.html

Program Chairs

Name: Tina Eliassi-Rad (Research)
Affiliation: Northeastern University, USA
Gender: F
H Index: 32
GScholar url: https://scholar.google.com/citations?user=TXb5Ym8AAAAJ
DBLP url: https://dblp.org/pid/e/TinaEliassiRad.html
Name: Wei Wang (Research)
Affiliation: UCLA, USA
Gender: F
H Index: 68
GScholar url: https://scholar.google.com/citations?user=UedS9LQAAAAJ
DBLP url: https://dblp.org/pid/w/WeiWang.html
Name: Ciro Cattuto (Application)
Affiliation: ISI Foundation, Italy
Gender: M
H Index: 47
GScholar url: https://scholar.google.com/citations?user=q0v3StkAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/42/5539.html
Name: Rayid Ghani (Application)
Affiliation: Carrnegie Mellon University
Gender: M
H Index: 33
GScholar url: https://scholar.google.com/citations?user=_ufWH4IAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/19/6687.html

Third Most Recent Year

Year: 2017 URL: http://www.dslab.it.aoyama.ac.jp/dsaa2017/ Location: Tokyo, Japan Papers submitted: 227 Papers published: 59 Acceptance rate: 26 Source for numbers: https://dsaa.co/past-conferences

General Chairs

Name: Hiroshi Motoda
Affiliation: Osaka University, JAPAN
Gender: M
H Index: 46
GScholar url: https://scholar.google.com.au/citations?user=pmq9ejIAAAAJ
DBLP url: https://dblp.org/pid/08/6525.html
Name: Fosca Giannotti
Affiliation: Information Science and Technology Institute of the National Research Council at Pisa, ITALY
Gender: F
H Index: 47
GScholar url: https://scholar.google.com/citations?user=PKz_a_AAAAAJ
DBLP url: https://dblp.org/pid/g/FoscaGiannotti.html
Name: Tomoyuki Higuchi
Affiliation: Institute of Statistical Mathematics, JAPAN
Gender: M
H Index: 33
GScholar url: https://scholar.google.com/citations?user=ualTYjUAAAAJ&hl=en&oi=ao
DBLP url: https://dblp.org/pid/40/1614.html

Program Chairs

Name: Takashi Washio (Research)
Affiliation: Osaka University, JAPAN
Gender: M
H Index: n/a
GScholar url:
DBLP url: https://dblp.org/pid/w/TakashiWashio.html
Name: Joao Gama (Research)
Affiliation: University of Porto, PORTUGAL
Gender: M
H Index: 56
GScholar url: https://scholar.google.com/citations?user=jjoTZfoAAAAJ
DBLP url: https://dblp.org/pid/g/JGama.html
Name: Ying Li (Application)
Affiliation: DataSpark Pte. Ltd., Singapore
Gender: F
H Index:
GScholar url:
DBLP url:
Name: Rajesh Parekh (Application)
Affiliation: Facebook, USA
Gender: M
H Index:
GScholar url:
DBLP url:

Policies

Chair Selection: As shown in the DSAA Conference Guide (https://dsaa.co/dsaa-conference-guide/), DSAA has formed specific requirements, policies, and guidelines for selecting high-caliber general and program chairs, and keynote speakers, in addition to the IEEE conference committees' review. The DSAA Steering Committee appoints high-caliber international leaders in the DSAA areas as program chairs of the Research Track and Applications Track and as general chairs.

1) Program chairs have chaired at least one A*/A-ranked conferences such as KDD and AAAI in the relevant areas before and of high caliber recognized internationally including high h-index, high citations, IEEE/ACM fellowship, and professional leaderships such as KDD executive committee members, national institute leader, or a major company (such as Facebook)'s leader, etc. In fact, most of DSAA program chairs have chaired CORE A*-ranked events such as KDD.

2) General chairs have hosted at least one A*/A-ranked conferences such as KDD and AAAI in the relevant areas before and of high caliber recognized internationally such as high h-index, IEEE/ACM fellowship, or served on executive roles such as vice president of American Statistical Association (ASA). Most of DSAA general chairs had experience in hosting/chairing A* events such as SIGMOD, ICDE, and KDD.

3) Overall track record including community recognition and professional roles such as editorial boards of A*/A-ranked journals, serving on research leadership roles such as holding directorship of university or national research institutions in data science.

4) DSAA Advisory Committee or Steering Committee's discussion, recommendation and confirmation with strong justification. The committee members consist of the leading and active researchers in the area relevant to data science.

Policy name: DSAA conference guide (please find more details from the following website on DSAA's policies and guidelines on managing ethics, diversity and integrity in DSAA operations)

Policy url: https://dsaa.co/dsaa-conference-guide/

Policy name: IEEE Guidelines for Conferences and Symposia (DSAA conference proposals are double reviewed firstly by its steering committee over all proposals and then by IEEE conference committees after the specific proposal recommendation made by DSAA steering committee)

Policy url: https://www.ieee.org/conferences/organizers/conference-organizer-education.html

(Senior) Program Committee

Link to (s)pc: http://dsaa2020.dsaa.co/program-committee/ File:

http://portal.core.edu.au/core/media/conf_submissions_spc_file/Page7_Senior_Program_Committee_DSAA-2_3YQ3YUw.txt H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1301.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/citations?view_op=top_venues&hl=en&vq=eng_datamininganalysis Position in sub-category: 17

Image of top 20: http://portal.core.edu.au/core/media/changes_h5/addrank1301_gscholar_minh5.png

Engineering & Computer Science > Data Mining & Au

Top publications

Cat

outog			
	Publication	h5-index	<u>h5-median</u>
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)	23	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

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

h5-index for this conference: 23

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 155 Aminer name: IEEE International Conference on Data Science and Advanced Analytics Acronym / shortname: DSAA h-5 index: 23 CCF level: c THU level: Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/addrank1301_aminer_top_cite.png

0	
Eplaining Eplanations - An Overview of Interpretability of Machine Learning	Cited by 290
tolarii H. Gibin G., David Bay, Ben Z. Yuan G., Ayosha Baiwa G., Michael Specter G., Lalana Kagal	
2018	
0	
Deep feature synthesis: Towards automating data science endeavors	Cited by 176
James MacKanter R., Kalyan Weeramachaneni	
(2015)	
0	
Anomaly detection in ECG time signals via deep long short-term memory networks	Cited by 160
Sucheta chauhan Q., Lovekesh Vig	
2019	
0	
o	
Anomay Detection in Automobile Control Network Data with Long Short-Term Memory Networks	Cited by 125
Adrian Taylor G., Sylvain Lebianc, Nathalie Japkowicz	
2041	
0	
SAR target recognition based on deep learning	Cited by 100
Sizhe Chen, Haipeng Wang	
0014	
0	
The Swithetic Data Vault	diaday 34
his sector of the sector of th	Cited by 73
2018	
0	
Robust Online Time Series Prediction with Recurrent Neural Networks	Cited by 66
Tian Gae, Zhao Xu, Xin Yao Q., Halling Chen Q., Karl Aberer, Kolchi Funaya Q.	
(2018)	
0	
A unifying model for representing time-varying graphs	Chedby 61
Klauk Wehmuth, Amur Zivlani, Eric Fleury	cherry en
2019	
0	
The harsh rule of the goals: Data-driven performance indicators for football teams	Cited by 50
Paolo Cintia, Fosca Giannetti, Luca Pappalardo, Dino Pedreschi, Marco Malvaldi O.	
(2015)	
0	
Chum Prediction in Mobile Social Games: Towards a Complete Assessment Using Survival Ensembles	Glad by 4b
Ables Relates G., Able Sate G., Anes Guitart G., Coln Manue G.	Sheet a

Other Rankings

URL: https://www.ccf.org.cn/ccf/contentcore/resource/download?ID=144845

Description: The 2019 China computer foundation conference ranking, where DSAA was ranked No. 4 of the top 10 conferences listed in its C-ranked conferences in the subcategory of Computer Science Theories.

Rank: 4

URL: https://www.aminer.org/ranks/conf?category=%E8%AE%A1%E7%AE%97%E6%9C%BA%E7%A7%91%E5%AD%A6%E7%90%86%E8%AE%BA& category_en=Computer%20Science%20Theory&category_type=ccf&type=C

Description: The AMiner conference ranking, where DSAA was ranked No. 11 of the top 20 conferences listed in the category of Computer Science Theories, and an overall ranking of No. 155 over all of 297 conferences selected in its list. Rank: 11

Conferences in area: DSAA covers broad theoretical and practical areas relevant to data science, specifically, statistics and mathematics for data science, machine learning, knowledge discovery from data (base), and various areas of analytics, and their applications. Hence, we only list a few conferences below.

NeurIPS ICML AAAI IJICAI KDD WWW SIGIR AISTATS ECML/PKDD CIKM SDM SIGMOD ICDE IJCNN DSAA PAKDD STACS MFCS

Top People Publishing Here

name: Philip S. Yu justification: IEEE/ACM fellow. H-index: 168 https://scholar.google.com/citations?user=D01L1r0AAAAJ Paper counts:

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

Attendance: SOMETIMES

name: Christos Faloutsos

justification: "ACM Fellow H-index: 135 https://scholar.google.com/citations?user=nd81QQIAAAAJ&hl=en&oi=ao" Paper counts:

Paper counts:				
Most Recent:	Second most recent:	Fourth most recent:	Fifth most recent:	
U Attendence: OC		l	0	0
Allendance. OC				
name. wongang	ndov 119 http://www.		+ - + : · · · - 9·· - · · · 0 - 1177 -	
Justification: H-I	ndex 118 https://scho	plar.google.com/ci	tations?user=QeVZZeo	oAAAAJ&h1=en&o1=a
Paper counts:	Cacand most recent	Third most recent	Fourth most recent	Fifth most recent
Most Recent: Second most recent: Third most recent: Fourth most rec				Fillin most recent.
		0	0	0
Attendance: OC	CASIONALLY			
name: Albert W	U Sector dd Einia (f. 1	/ .		
justification: H-I	ndex 115 https://scho	plar.google.com/ci	tations?user=2NZHc3	oAAAAJ&h1=en&o1=a
Paper counts:		-	–	–
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	1	0	0
Attendance: OC	CASIONALLY			
name: Ramesh	C. Jain			
justification: "IEE	EE/ACM Fellow H-index	101 https://schola	ar.google.com/citati	ons?user=wOYUPpwA
Paper counts:				
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	0	1	0
Attendance: OC	CASIONALLY			
name: George k	Karypis			
justification: "IEE	EE fellow H-index: 96 ht	tps://scholar.goog	gle.com/citations?us	ser=ElqwScwAAAAJ&
Paper counts:				
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	1	0	1
Attendance: AL	WAYS			
name: Eamonn	Keogh			
justification: "H-i	ndex 95 https://schol	lar.google.com/cita	ations?user=slVcOQI	AAAAJ&hl=en&oi=ao
Paper counts:				
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
1	0	0	0	0
Attendance: AL	WAYS			
name: Francesc	a Dominici			
justification: "H-i	ndex 82 https://schol	lar.google.com/cit	ations?user=RSwE1NM	AAAAJ&hl=en&oi=ao
Paper counts:	-			
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	1	0	0	0
Attendance: AL	WAYS	I	I	1
name: Mark van	der Laan			
iustification: "H-i	ndex 76 https://schol	lar.google.com/cit;	ations?user=-zaD010	AAAAJ&hl=en&oi=ao
Paper counts:				
Most Recent	Second most recent	Third most recent	Fourth most recent	Fifth most recent:
n	Λ	∩	1	Λ
Attendance: SO	METIMES		1	0
name: Alak N C				
inatification: "IT	FILL TOULINALY	74 h++++ / / 1 - 7		
Justification: IEt		/+ nttps://scholar	.googie.com/citation	is:user=onvF15SAA
Paper counts:				
	Cocord most recent	Third most recent	Fourth most record	Fifth most reserve
	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:

Attendance: ALWAYS

Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/addrank1301_top_spc.csv WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/addrank1301_spc_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/addrank1301_spc_graph.png



Reference item: \\ 26. International Conference on Data Science and Advanced Analytics (DSAA)

This conference was published at 3 times by 5 of 25 experts in the last 5 years.

The experts that publish at this conference are: Maguelonne Teisseire(1), Tzung-Pei Hong(1), Philippe Fournier-Viger(1), Chun-Wei Lin(1), Min-Ling Zhang(1)

In 2015, there were 1 publications by 3 experts: Tzung-Pei Hong, Philippe Fournier-Viger, Chun-Wei Lin In 2017, there were 1 publications by 1 experts: Min-Ling Zhang In 2018, there were 1 publications by 1 experts: Maguelonne Teisseire

5 out of the 25 experts published at this conference in 1 or more years

Top People Report

Method of selection: 1) Research interest relevant to data science 2) H-index and ACM/IEEE fellowship 3) Recognized global research leadership in their disciplines that are relevant to data science and analytics 4) May publish papers in DSAA and relevant core A*-ranked conferences in the areas relevant to DSAA 5) Coverage of representative disciplines and domains closely relevant to data science and of representative regions and countries

	name	h-index	gscholar url
	Philip S. Yu	168	https://scholar.google.com/citations?user=D0lL1r0AAAAJ&hl=en&oi=ao
	Christos Faloutsos	135	https://scholar.google.com/citations?user=nd8lQQIAAAAJ&hl=en&oi=ao
	Ramesh C. Jain	101	https://scholar.google.com/citations?user=wOYUPpwAAAAJ&hl=en&oi=sra
	Xin Yao	103	https://scholar.google.com/citations?user=UUtYP14AAAAJ&hl=en&oi=ao
	George Karypis	96	https://scholar.google.com/citations?user=ElqwScwAAAAJ&hl=en&oi=ao
	Eamonn Keogh	95	https://scholar.google.com/citations?user=slVcOQIAAAAJ&hl=en&oi=ao
	Francesca Dominici	82	https://scholar.google.com/citations?user=RSwElNMAAAAJ&hl=en&oi=ao
	Phillip Gibbons	78	https://scholar.google.com/citations?user=F9kqUXkAAAAJ&hl=en&oi=ao
	Mark van der Laan	76	https://scholar.google.com/citations?user=-zaDQ10AAAAJ&hl=en&oi=ao
Keyword:	Alok N. Choudhary	74	https://scholar.google.com/citations?user=6nvFl5sAAAAJ&hl=en&oi=sra
	Laks V. S. Lakshmanan	69	https://scholar.google.com/citations?user=_RCsaOsAAAAJ&hl=en&oi=ao
	Karl Aberer	68	https://scholar.google.com/citations?user=ifU81ikAAAAJ&hl=en&oi=ao
	Cyrus Shahabi	68	https://scholar.google.com/citations?user=jEdhxGMAAAAJ&hl=en&oi=ao
	Cecilia Mascolo	67	https://scholar.google.com/citations?user=Ej4BNaQAAAAJ&hl=en&oi=ao
	Jiannong Cao 63		https://scholar.google.com/citations?user=q2jH-3sAAAAJ
	Svetha Venkatesh	63	https://scholar.google.com/citations?user=AEkRUQcAAAAJ&hl=en&oi=ao
	Osmar R. Zaiane	60	https://scholar.google.com/citations?user=j-W_RNYAAAAJ&hl=en&oi=sra
	JoÃčo Gama	57	https://scholar.google.com/citations?user=jjoTZfoAAAAJ&hl=en&oi=ao
	Dino Pedreschi	53	https://scholar.google.com/citations?user=5efz6osAAAAJ
	Vincent S. Tseng	53	https://scholar.google.com/citations?user=U884avUAAAAJ&hl=en&oi=ao

Reference item: \\ 1. International Conference on Data Science and Advanced Analytics (DSAA)

This conference was published at 36 times by 20 of 20 experts in the last 5 years.

The experts that publish at this conference are: Vincent S. Tseng(2), Jiannong Cao 0001(3), Alok N. Choudhary(2), Ramesh C. Jain(1), Phillip B. Gibbons(1), Cyrus Shahabi(1), George Karypis(2), Svetha Venkatesh(5), Christos Faloutsos(1), Karl Aberer(1), Xin Yao 0001(1), Eamonn J. Keogh(1), Mark J. van der Laan(1), Dino Pedreschi(5), Laks V. S. Lakshmanan(1), Osmar R. Zaane(1), Francesca Dominici(1), Joo Gama(2), Cecilia Mascolo(1), Philip S. Yu(7)

In 2015, there were 13 publications by 7 experts: Vincent S. Tseng, Dino Pedreschi, Phillip B. Gibbons, Svetha Venkatesh, Osmar R. Zaane, Joo Gama, Philip S. Yu In 2016, there were 6 publications by 6 experts: Ramesh C. Jain, Karl Aberer, Svetha Venkatesh, George Karypis, Xin Yao 0001, Mark J. van der Laan In 2017, there were 9 publications by 7 experts: Dino Pedreschi, Cyrus Shahabi, Christos Faloutsos, Joo Gama, Philip S. Yu, George Karypis, Jiannong Cao 0001 In 2018, there were 4 publications by 4 experts: Vincent S. Tseng, Cecilia Mascolo, Francesca Dominici, Laks V. S. Lakshmanan In 2019, there were 4 publications by 3 experts: Alok N. Choudhary, Eamonn J. Keogh, Philip S. Yu

20 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 2 or more years 1 out of the 20 experts published at this conference in 3 or more years WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/addrank1301_top_people_report.txt Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/addrank1301_top_people_graph.png





percentage 100%

90%

80%

Other Information

Comparator Comparison

Comparator

Pacific-Asia Conference on Knowledge Discovery and Data Mining

Explanation as to why conference is superior to comparator:

"1, DSAA was in its 7th edition in 2020 in comparison with PAKDD in its 24th edition, they share some common areas of interest in data analytics/mining, hence they are compared. 2, DSAA program and general chair's profiles are higher than PAKDD's in terms of their h-index, citations and global leadership, the same for keynote speakers; most of DSAA general/program chairs have chaired A* conferences such as KDD, AAAI, ICDE, SIGMOD and ICDM. 3, DSAA submission requirements (10-page IEEE format) is much higher than PAKDD (12-page LNCS). 4, DSAA's program committee and participation are more international than PAKDD which has a global but more regional presence. 5, DSAA is ranked No. 4 out of 10, while PAKDD is ranked No. 11 out of 12 conferences in CCF's C-ranked conferences. 6, DSAA's Google Metrics ranking (17th in 2020) has continuously been higher than PAKDD (18th in 2020) in recent years." Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_479.pdf

Comparator

Intelligent Data Analysis

Explanation as to why conference is superior to comparator:

"1, DSAA was in its 7th edition in 2020 in comparison with IDA in its 18th edition, they share some common areas of interest in data analytics, thus compared. 2, DSAA's Google Metrics h-5 index (23 in 2020) and ranking are significantly higher than IDA (14 in 2020). 3, IDA is not in the top-20 of Google Metrics subcategory, while DSAA was No. 17 in the subcategory of data mining & analysis. 4, DSAA's submission number and acceptance rate significantly outperform IDA (its acceptance rate typically above 40%). 5, IDA is not in the CCF and AMiner conference lists. 6, DSAA program and general chair's profiles (e.g., h-index and experience in chairing A* conferences etc.) are significantly higher than IDA, the same for keynote speakers."

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_480.pdf

Comparator

Static Analysis Symposium

Explanation as to why conference is superior to comparator:

"1, DSAA also involves the discipline and community of SAS, while DSAA covers others such as machine learning and analytics and their applications to industry and government businesses, thus compared. 2, DSAA's Google Metrics h5-index (23 in 2020) and ranking (No.

17 in data mining & analysis) are significantly higher than SAS (h5-index 15). 3, SAS is not in the top-20 of Google Metrics subcategory data mining & analysis and any other subcategories. 4, DSAA's submission number and acceptance rate significantly beat SAS (about or less than 50 submissions with over 40% accepted) 5, SAS' ranking (226) in AMiner is significantly lower than DSAA (155). 6, DSAA program and general chair's profiles are significantly higher than SAS in terms of h-index and leadership such as chairing A* conferences, the same for keynote speakers."

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_561.pdf

Comparator

International Symposium on Mathematical Foundations of Computer Science

Explanation as to why conference is superior to comparator:

"1, DSAA also involves mathematical foundations which is similar to MFCS, hence they are compared, while DSAA has wider coverage to machine learning, data mining, big data applications, etc. 2, DSAA's Google Metrics including h5-index (23 in 2020) and subcategory rank are much higher than MFCS (18 in 2020). 3, MFCS is not in the top-20 of Google Metrics subcategories in comparison to No. 17 of DSAA. 4, DSAA is ranked No. 4 in comparison to No. 9 of MFCS in the same category of CCF conference rank. 5, In AMiner list, MFCS is ranked 189 in comparison to DSAA at 155. 6, DSAA's acceptance rate is generally much lower than MFCS (typically over 40%)." Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_562.pdf

Comparator

International Symposium on Theoretical Aspects of Computer Science

Explanation as to why conference is superior to comparator:

"1, DSAA also involves theoretical foundations which is similar to STACS, hence they are compared, while DSAA also covers statistics, machine learning, analytics, and their applications, etc. 2, DSAA's Google Metrics including h5-index and subcategory rank are much higher than STACS (21 in 2020) 3, STACS is not in the top-20 of the Google Metrics subcategory in comparison to No. 17 of DSAA. 4, STACS is ranked No. 10 in comparison to DSAA at No. 4 out of 10 C-ranked conferences in the CCF list. 5, DSAA program and general chair's profiles are significantly higher than STACS in terms of h-index and their experience in chairs A* conferences. 6, No general chairs for STACS in comparison with DSAA, most of DSAA general chairs are top leaders in the relevant areas who have chaired A* conferences such as KDD and ICDM. 7, STACS is a regional conference while DSAA is international."

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_563.pdf

Comparator

International Conference on Scientific and Statistical Data Base Management

Explanation as to why conference is superior to comparator:

"1, DSAA shares some overlap with SSDBM in database but has wider coverage to machine learning, analytics, statistics, etc. and their enterprise applications, hence they are compared. 2, DSAA's Google Metrics h5-index and ranking are significantly higher than SSDBM (h5-index 16 in 2020). 3, SSDBM is not in the top-20 of any Google Metrics subcategories in comparison to No. 17 of DSAA. 4, In the CCF list, SSDBM is ranked No. 8 out of 12, DSAA at No. 4 of 10. 5, In AMIner, DSAA is at No. 155 in comparison to SSDBM at 211. 6, DSAA's submission number and acceptance rate significantly beat SSDBM (significantly lower than 100 submissions and about 40-50% accepted). 7, DSAA program and general chair's profiles are significantly higher than SSDBM in terms of their h-index and global leadership such as chairing A* conferences."

Link to comparator report:

 $\tt http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_565.pdf$

Comparator

ACM SIGMOD-SIGACT-SIGART Conference on Principles of Database Systems

Explanation as to why conference is superior to comparator:

"1, DSAA shares some overlap with PODS in database but has wider coverage to machine learning, analytics, statistics, etc. and their enterprise applications. 2, PODS has not been listed in the top-20 of the Google Metrics subcategory in comparison to No. 17 for DSAA. 3, In the AMiner list, PODS is ranked at 14 in comparison to DSAA at No. 11 in their subcategories. 4, PODS is not an independent conference rather collocated with SIGMOD, while DSAA is always independently organized by leaders in the areas. 5, DSAA's submission number significantly beats PODS (typically lower than 100 submissions). 6, DSAA always has a team of program and general chairs whose profiles are higher than PODS in terms of their h-index and global leadership such as chairing A* conferences."

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_566.pdf

Comparator

Parallel Problem Solving from Nature

Explanation as to why conference is superior to comparator:

"1, DSAA shares some overlap with PPSN but has wider coverage to machine learning, analytics, statistics, etc. 2, DSAA's h5-index (23 in 2020) is significantly higher than PPSN (16 in 2020). 3, PPSN is not in the top-20 Google metrics list. 4, PPSN is ranked 219 in the AMIner list, in comparison to DSAA at 155. 5, DSAA submission requirement (10-page IEEE double column) is much higher than PPSN (10-page in LNCS format). 6, DSAA's acceptance rate significantly beats PPSN (about 40% accepted). 7, DSAA program and general chair's profiles are significantly higher than PPSN in terms of their h-index and global leadership such as chairing A* conferences. 8, PPSN is organized biannually."

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_567.pdf

Comparator

Innovations in Theoretical Computer Science

Explanation as to why conference is superior to comparator:

1, ITCS in its 22nd edition in 2020 shares some common interest in computer science theories with DSAA, hence they are compared. 2, ITCS' acceptance rate (¿33% in the recent three years) is significantly higher than DSAA. 3, ITCS is not selected in the AMiner conference list and China Computer Foundation conference list. 4, DSAA and ITCS have the same h5-median index (both at 45). Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_703.pdf

Comparator

European Conference on Information Retrieval

Explanation as to why conference is superior to comparator:

1, DSAA shares some overlap with ECIR but has wider coverage to statistics, machine learning, and analytics, etc. 2, DSAA's CCF rank and acceptance rate are competitive to ECIR. 3, DSAA is ranked No. 17 in Google Metric subcategory and No. 11 in AMiner subcategory, while ECIR is not selected in both conference lists. 4, ECIR is very regional while DSAA is truly international with much higher profile of general/program chairs and keynote speakers

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1301_722.pdf

Other Relvant Info

Other relevant information: Below, we highlight several aspects of DSAA in comparison with the above 10 listed CORE A*/A-ranked conferences (note there are other A-ranked conferences to which DSAA shows stronger metrics in one way or another): 1. DSAA's Google Metrics: h5-index 23, h5-median 45, and No. 17 of top-20 in Data Mining & Analysis by Google Metrics. 2, DSAA's Google metrics and ranking beat many CORE A*/A-ranked conferences such as PODS, PAKDD, MFCS, IDA, SAS, SSDBM, WISE and PPSN, while PODS, MFCS, IDA, SAS, SSDBM, ECIR, WISE and PPSN are not in top-20 Google Metrics subcategories. 3, DSAA is ranked No. 4 of 10 C-ranked conferences in Computer Science Theory by China Computer Foundation (CCF), in comparison to MFCS (No. 9) and STACS (No. 10) in the same category Computer Science Theory and ECIR (No. 3), PAKDD (No. 11), SSDBM (No. 8) and WISE (No. 12) in Database, Data Mining and Content Retrieval, while ITCS and IDA are not in the CCF list. 4, DSAA is ranked No. 11 of 20 conferences in Computer Science Theory by AMiner, in comparison to STACT as 9, MFCS at 12 in the same category and PODS at 14, PAKDD at 15, SSDBM at 20, WISE at 21, and VLDB at 23 of 27 papers in Database, Data Mining and Content Retrieval. 5, DSAA is ranked No. 155 of 279 AMiner-ranked conferences in comparison to PODS (127), PAKDD (147), STACS (148), MFCS (189), SSDBM (211), PPSN (219), SAS (226), WISE (235) and VLDB (261), while ECIR and IDA are not selected in this list. 6, Almost all of DSAA's high-caliber general chairs and program chairs have experience in chairing A*-ranked conferences such as KDD and SIGMOD and A-ranked such as PKDD/ECML and PAKDD and are top researchers in the areas eg per their high H-index, ACM and IEEE fellowship, leadership in chairing relevant professional bodies, directing data science research institutions, and serving on editorial boards of A*/A-ranked journals in the field. 7, DSAA attracted top computer scientists such as Michael Jordan, Yoshua Bengio, David Donoho, Philip Yu, and Christopher Bishop as keynote speakers as well as top statisticians, physicians etc. relevant to data science. 8, DSAA's submission requirement of 10-page in IEEE double-column format and its overall acceptance rate (reported based on averaging the rates of research and application main tracks) make it highly competitive to many CORE A*/A-ranked conferences.

Attachments

N/A

Proposers

First name: Longbing Last name: Cao Affiliation: University of Technology Sydney Email: longbing.cao@uts.edu.au First name: Francesco Last name: Bonchi Affiliation: ISI Foundation, Italy Email: francesco.bonchi@isi.it

First name: Hiroshi Last name: Motoda Affiliation: Osaka University, Japan Email: hiroshi.motoda@gmail.com

First name: Takashi Last name: Washio Affiliation: Osaka University, Japan Email: washio@ar.sanken.osaka-u.ac.jp

First name: Joao Last name: Gama Affiliation: University of Porto Porto, Portugal Email: joao.jgama@gmail.com

First name: Joshua Zhexue Last name: Huang Affiliation: Shenzhen University, China Email: zx.huang@szu.edu.cn

First name: Osmar Last name: Zaiane Affiliation: University of Alberta, Canada Email: zaiane@ualberta.ca

Submitted By

Name: Cao Longbing Email: longbing.cao@gmail.com