



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

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Conference Details

Conference

Title: IEEE International Conference on Cluster Computing
Acronym : CLUSTER
Rank: A

Requested Rank

Rank: A

Recent Years

Proceedings Publishing Style

Proceedings Publishing: self-contained

Link to most recent proceedings: <https://www.computer.org/csdl/proceedings/cluster/2020/1oqKBaHDqM>

Further details: The proceedings for IEEE Cluster are published by IEEE and have been since 1999. The proceedings for Cluster are published independently of any other conference. Each year the exact content of the proceedings is up to the discretion of the General Chair(s) of the conference, however, the proceedings usually contain: the main conference full papers, (optional) short papers accepted to the conference, (optional) poster abstracts from the conference, (optional) papers from workshops co-located with the conference. The different types of publications in the proceedings for each year are organized according to type in the table of contents. There are individual sections for main conference papers (optionally including a section for best paper candidates), posters, and workshop papers.

Most Recent Years

Most Recent Year

Year: 2019

URL: <https://clustercomp.org/2019/>

Location: Albuquerque, NM, USA

Papers submitted: 141

Papers published: 39

Acceptance rate: 28

Source for numbers: <https://www.computer.org/csdl/pds/api/csdl/proceedings/download-article/1eLyq1H2lfa/pdf>

General Chairs

Name: Patrick Bridges Affiliation: University of New Mexico Gender: M H Index: 26 GScholar url: https://scholar.google.com/citations?hl=en&user=Q10SbJQAAAAJ DBLP url: https://dblp.org/pid/97/3677.html
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Name: Ron Brightwell Affiliation: Sandia National Laboratories Gender: M H Index: 37 GScholar url: https://scholar.google.com/citations?user=t0sISC4AAAAJ&hl=en&oi=sra DBLP url:

Program Chairs

Name: Pat McCormick
Affiliation: Los Alamos National Laboratory
Gender: M
H Index:
GScholar url:
DBLP url: <https://dblp.org/pid/147/4103.html>

Name: Martin Schulz
Affiliation: Technische Universität München
Gender: M
H Index: 55
GScholar url: <https://scholar.google.com/citations?user=j4TiZkYAAAAJ&hl=en&oi=sra>
DBLP url: <https://dblp.org/pid/07/6559.html>

Second Most Recent Year

Year: 2018

URL: <https://cluster2018.github.io/>

Location: Belfast, UK

Papers submitted: 154

Papers published: 44

Acceptance rate: 29

Source for numbers: <https://www.computer.org/csdl/pds/api/csdl/proceedings/download-article/17D45Wc1IK2/pdf>

General Chairs

Name: Dimitrios Nikolopoulos
Affiliation: Queen's University Belfast
Gender: M
H Index: 37
GScholar url: <https://scholar.google.com/citations?user=-nzj5UYAAAAJ&hl=en&oi=ao>
DBLP url: <https://dblp.org/pid/50/1235.html>

Name: Bronis de Supinski
Affiliation: Lawrence Livermore National Laboratory
Gender: M
H Index:
GScholar url:
DBLP url: <https://dblp.org/pid/85/5840.html>

Program Chairs

Name: Paul Kelly
Affiliation: Imperial College London
Gender: M
H Index: 36
GScholar url: <https://scholar.google.com/citations?hl=en&user=4YyGhBUAAAAJ>
DBLP url: <https://dblp.org/pid/60/732.html>

Third Most Recent Year

Year: 2017

URL: <https://cluster17.github.io/>

Location: Hawaii, USA

Papers submitted: 217

Papers published: 47

Acceptance rate: 22

Source for numbers: <https://www.computer.org/csdl/proceedings-article/cluster/2017/2326z017/120mNANTAxk>

General Chairs

Name: Todd Gamblin Affiliation: Lawrence Livermore National Laboratory Gender: M H Index: 27 G Scholar url: https://scholar.google.com/citations?user=IEIih30AAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/19/6505.html
Name: Naoya Maruyama Affiliation: Lawrence Livermore National Laboratory Gender: M H Index: 26 G Scholar url: https://scholar.google.com/citations?hl=en&user=jn3QXz4AAAAJ DBLP url: https://dblp.org/pid/99/5529.html

Program Chairs

Name: Gabriel Antoniu Affiliation: INRIA, France Gender: M H Index: 30 G Scholar url: https://scholar.google.com/citations?user=durpySgAAAAJ&hl=en&oi=ao DBLP url: https://dblp.org/pid/a/GabrielAntoniu.html
Name: Rich Vuduc Affiliation: Georgia Institute of Technology Gender: M H Index: 40 G Scholar url: https://scholar.google.com/citations?user=CCGI7x4AAAAJ&hl=en&oi=sra DBLP url: https://dblp.org/pid/v/RVuduc.html

Policies

Chair Selection: Approximately three years in advance of the target conference, the steering committee chooses the general chairs for the target year based on several factors: the qualifications of the general chairs, the quality of the proposal, the quality and diversity of the senior committee members, and the proposed location. While the general chair(s) have the freedom to populate their committees as they see fit, they are strongly encouraged by the steering committee to consider diversity with respect to gender, affiliation, and country/geography. The steering committee historically has pushed the general chairs to alter their committee selections to improve diversity.

Policy name: Since Jan 2020, Cluster follows the IEEE policy

Policy url: <https://spectrum.ieee.org/the-institute/ieee-news/ieee-adopts-new-diversity-statement>

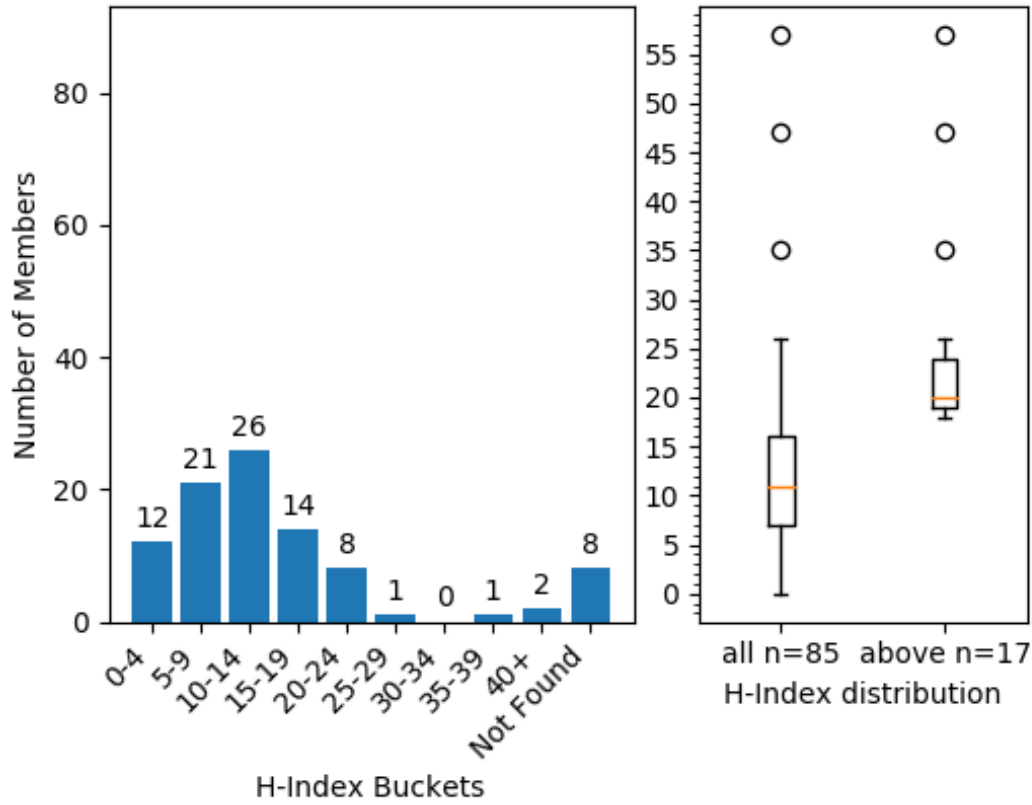
(Senior) Program Committee

Link to (s)pc: <https://clustercomp.org/2019/committees/>

File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/cluster_committe_final_hvD3kJ2.txt

H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1623.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_computingsystems

Position in sub-category: 20+

Image of top 20: http://portal.core.edu.au/core/media/changes_h5/higherrank1623_gscholar_minh5.png

Categories > Engineering & Computer Science > Computing Systems ▾

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	IEEE Internet of Things Journal	93	140
2.	Future Generation Computer Systems	86	127
3.	IEEE Transactions on Parallel and Distributed Systems	69	106
4.	Symposium on Networked Systems Design and Implementation	65	106
5.	International Symposium on Computer Architecture (ISCA)	55	103
6.	International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS)	55	88
7.	IEEE Transactions on Services Computing	55	86
8.	IEEE International Symposium on High Performance Computer Architecture	53	86
9.	IEEE Transactions on Cloud Computing	52	77
10.	USENIX Annual Technical Conference	45	70
11.	IEEE/ACM International Symposium on Microarchitecture	45	69
12.	The Journal of Supercomputing	45	59
13.	International Conference for High Performance Computing, Networking, Storage and Analysis	44	58
14.	Cluster Computing	43	60
15.	Symposium on Operating Systems Principles	42	77
16.	ACM European Conference on Computer Systems	42	63
17.	International Journal of Distributed Sensor Networks	42	58
18.	Conference on File and Storage Technologies (FAST)	41	74
19.	Journal of Parallel and Distributed Computing	40	56
20.	International Conference on Distributed Computing Systems, ICDCS	39	58

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

h5-index for this conference: 21

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 42

Aminer name: [CLUSTER]IEEE International Conference on Cluster Computing

Acronym / shortname: CLUSTER

h-5 index: 21

CCF level: B

THU level: B

Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1623_aminer_top_cite.png

Publications

Top Cited	Authors	Affiliations
Browse by Citation		
1	The Tofu Interconnect D Yuichiro Ajima, Takahiro Kawashima, Takayuki Okamoto, Naoyuki Shida, Kouichi Hirai, Toshiyuki Shimizu, Shinya Hiramoto, Yoshiro Ikeda, Takahide Yoshikawa, Kenji Uchida, Tomohiro Inoue (2018)	Cited by 168
2	Spark Versus Flink: Understanding Performance in Big Data Analytics Frameworks Ovidiu-Cristian Marcu, Alexandru Costan, Gabriel Antoniu, María S. Pérez-Hernández (2016)	Cited by 76
3	Overcoming Hadoop Scaling Limitations through Distributed Task Execution Ke Wang, Ning Liu, Iman Sadooghi, Xi Yang, Xiaobing Zhou, Tonglin Li, Michael Lang, Xian-He Sun, Ioan Raicu (2015)	Cited by 42
4	Utility-Based Hybrid Memory Management Yang Li, Saugata Ghose, Jongmoo Choi, Jin Sun, Hui Wang, Onur Mutlu (2017)	Cited by 39
5	A Performance Comparison of CUDA Remote GPU Virtualization Frameworks Carlos Reaño, Federico Silla (2015)	Cited by 39
6	TRIO: Burst Buffer Based I/O Orchestration Teng Wang, Sarp Oral, Michael Pritchard, Bin Wang, Weikuan Yu (2015)	Cited by 37
7	Detecting and Correcting Data Corruption in Stencil Applications through Multivariate Interpolation Leonardo Arturo Bautista-Gomez, Franck Cappello (2015)	Cited by 36
8	I/O-Aware Batch Scheduling for Petascale Computing Systems Zhou Zhou, Xu Yang, Dongfang Zhao, Paul Rich, Wei Tang, Jia Wang, Zhiling Lan (2015)	Cited by 35
9	Fast Multi-parameter Performance Modeling Alexandru Calotoiu, David Beckingsale, Christopher W. Earl, Torsten Hoeffler, Ian Karlin, Martin Schulz, Felix Wolf (2016)	Cited by 28
10	Dynamic CPU Resource Allocation in Containerized Cloud Environments Jose Monsalve, Aaron Landwehr, Michela Taufer (2015)	Cited by 28

Other Rankings

URL: <https://www.ccf.org.cn/c/2019-05-13/663884.shtml>

Description: CCF Recommended List of International Conferences and Periodicals-Bulletin-???????

Description: The List of International Academic Conferences and Periodicals Recommended by CCF (2019)

Rank: B

Conferences in area: ACM/IEE SC ACM HPDC IEEE CCGrid IEEE Cluster IEEE eScience HPC-ISC

Top People Publishing Here

name: Franck Cappello

justification: Justification: H-index: 52

IEEE Fellow

Published 3 papers in Cluster in the last 5 years

Paper counts:

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

Attendance: ALWAYS

name: Andre Brinkmann

justification: Justification:

H-index: 28

Paper counts:

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

Attendance: SOMETIMES

name: Torsten Hoefler?

justification: Justification:

H-index: 48

Torsten Hoefler? received ETH Zurich's Latsis Prize in 2015, the SIAM SIAG/Supercomputing Junior Scientist Prize in 2012, the IEEE TCSC Young Achievers in Scalable Computing Award in 2013, the Young Alumni Award 2014 from Indiana University, and the best student award 2005 of the Chemnitz University of Technology.

Paper counts:

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

Attendance: SOMETIMES

name: Pavan Balaji

justification: Justification:

H-index: 40

Pavan Balaji is an ACM Distinguished Scientist (2020). He a recipient of several awards including the IEEE TCSC Award for Excellence in Scalable Computing (Middle Career) in 2015; TEDxMidwest Emerging Leader award in 2013; U.S. Department of Energy Early Career award in 2012; Crain's Chicago 40 under 40 award in 2012; Los Alamos National Laboratory Director's Technical Achievement award in 2005; Ohio State University Outstanding Researcher award in 2005

Paper counts:

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

Attendance: ALWAYS

name: Dhabaleswar K. Panda

justification: Justification

H-index: 65

IEEE Fellow, NSF CAREER Award

Paper counts:

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

Attendance: ALWAYS

name: Michela Taufer

justification: Justification:

H-index 25

Jack Dongarra Professor in High Performance Computing, ACM Distinguished Scientist (2015), SC'19 General Chair, IPDPS 2017 General Chair

Paper counts:

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

Attendance: ALWAYS

name: Robert Ross

justification: Justification:

H-index 48

Paper counts:

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

Attendance: ALWAYS

name: Martin Schulz

justification: Justification:

H-index 55

Paper counts:

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

Attendance: ALWAYS

name: Satoshi Matsuoka

justification: Justification: H-index 58

ACM Fellow; numerous awards including: People to Watch in 2010, The HPCWire; IEEE-CS Sidney Fernbach Memorial Award; Sakai Award, Information Processing Society of Japan; JSPS Award, Japan Society for Promotion of Science (Award presented by his highness Prince Akishino)

Paper counts:

Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	1	0	0	None

Attendance: ALWAYS

name: Jack Dongarra

justification: Justification:

Fellow of the American Association for the Advancement of Science (1994) (FAAAS) IEEE Fellow (1999) ACM Fellow (2001) Member of the National Academy of Engineering (2001) IEEE Sid Fernbach Award (2004) IEEE Medal of Excellence in Scalable Computing (2008) SIAM Fellow (2009) SIAM Special Interest Group on Supercomputing's award for Career Achievement (2010) IEEE Charles Babbage Award (2011) ACM/IEEE Ken Kennedy Award (2013) Foreign Member of the Russian Academy of Science (2017) SIAM/ACM Prize in Computational Science and Engineering (2019) Foreign Member of the Royal Society (2019) IEEE Computer Pioneer Award (2020)

Paper counts:

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

Attendance: ALWAYS

Where People Publish

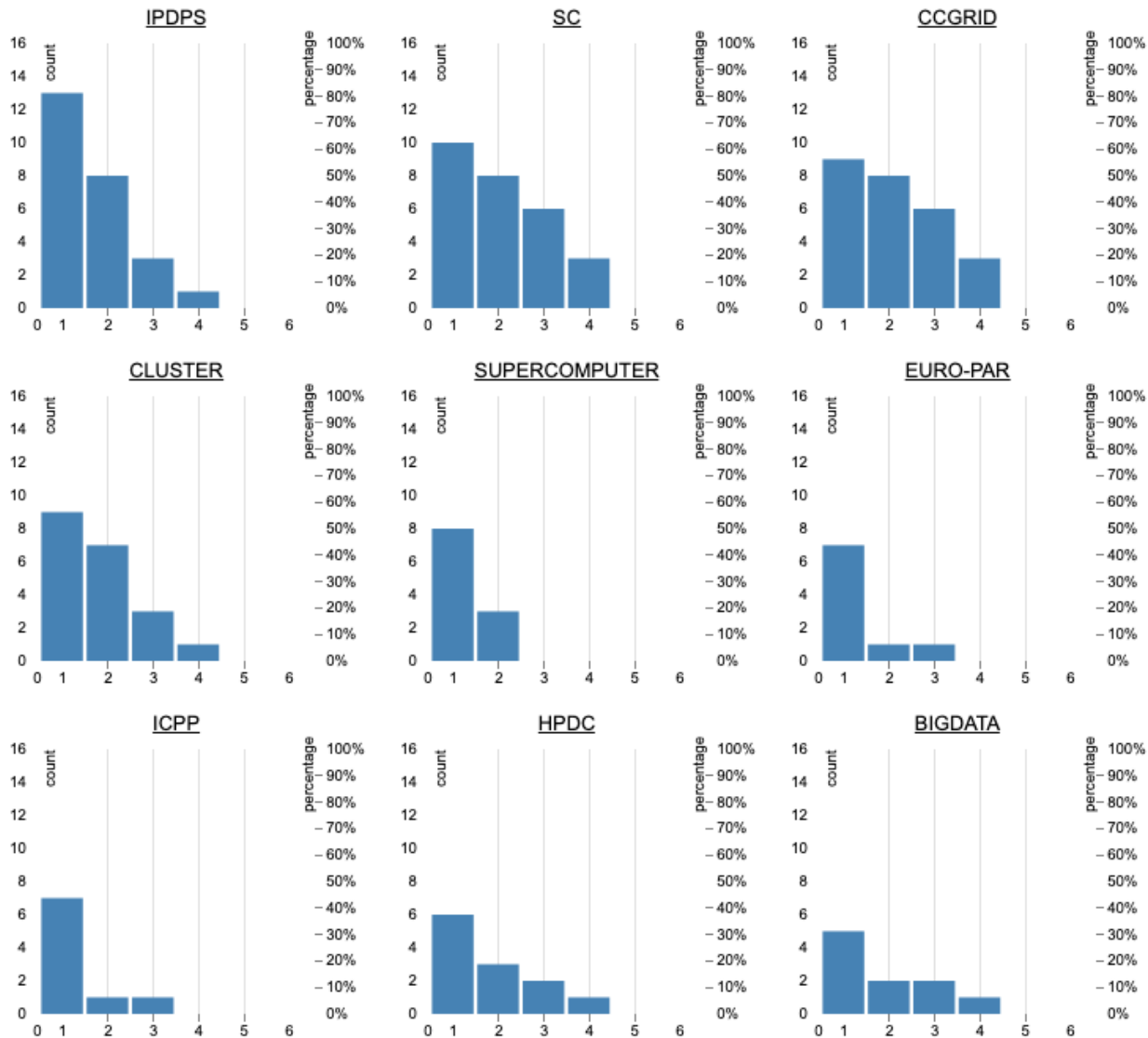
Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1623_top_spc.csv

WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1623_spc_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1623_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.



Reference item: \\ 1. IEEE International Parallel and Distributed Processing Symposium (IPDPS)

This conference was published at 32 times by 13 of 16 experts in the last 5 years.

The experts that publish at this conference are: Laurent Lefvre(1), Hyesoon Kim(2), Gabriel Antoniu(2), Sven Karlsson(2), Aurelien Bouteiller(2), Piotr Luszczek(6), Philip H. Carns(2), Frank Mueller(6), Albert Y. Zomaya(3), Hatem Ltaief(2), Surendra Byna(3), Osman S. Unsal(1), Ioan Raicu(1)

In 2015, there were 5 publications by 4 experts: Albert Y. Zomaya, Laurent Lefvre, Sven Karlsson, Aurelien Bouteiller

In 2016, there were 10 publications by 6 experts: Hatem Ltaief, Surendra Byna, Piotr Luszczek, Gabriel Antoniu, Osman S. Unsal, Frank Mueller

In 2017, there were 5 publications by 4 experts: Piotr Luszczek, Philip H. Carns, Hyesoon Kim, Frank Mueller

In 2018, there were 5 publications by 5 experts: Albert Y. Zomaya, Hyesoon Kim, Hatem Ltaief, Aurelien Bouteiller, Frank Mueller

In 2019, there were 4 publications by 4 experts: Albert Y. Zomaya, Piotr Luszczek, Gabriel Antoniu, Ioan Raicu

In 2020, there were 3 publications by 2 experts: Surendra Byna, Frank Mueller

13 out of the 16 experts published at this conference in 1 or more years

8 out of the 16 experts published at this conference in 2 or more years

3 out of the 16 experts published at this conference in 3 or more years

1 out of the 16 experts published at this conference in 4 or more years

2. International Conference for High Performance Computing, Networking, Storage and Analysis (SC)

This conference was published at 36 times by 10 of 16 experts in the last 5 years.

The experts that publish at this conference are: Hyesoon Kim(1), Gabriel Antoniu(3), Aurelien Bouteiller(3), Surendra Byna(10), Piotr Luszczek(4), Philip H. Carns(8), Frank Mueller(4), Hatem Ltaief(1), Jess Carretero Prez(2), Osman S. Unsal(4)

In 2015, there were 12 publications by 8 experts: Hyesoon Kim, Gabriel Antoniu, Aurelien Bouteiller, Surendra Byna, Piotr Luszczek, Philip H. Carns, Jess Carretero Prez, Frank Mueller

In 2016, there were 7 publications by 6 experts: Jess Carretero Prez, Aurelien Bouteiller, Piotr Luszczek, Philip H. Carns, Gabriel Antoniu, Osman S. Unsal

In 2017, there were 3 publications by 4 experts: Philip H. Carns, Frank Mueller, Osman S. Unsal, Surendra Byna

In 2018, there were 8 publications by 5 experts: Frank Mueller, Philip H. Carns, Gabriel Antoniu, Osman S. Unsal, Surendra Byna

In 2019, there were 6 publications by 4 experts: Surendra Byna, Hatem Ltaief, Aurelien Bouteiller, Frank Mueller

10 out of the 16 experts published at this conference in 1 or more years

8 out of the 16 experts published at this conference in 2 or more years

6 out of the 16 experts published at this conference in 3 or more years

3 out of the 16 experts published at this conference in 4 or more years

3. IEEE/ACM International Symposium on Cluster Computing and the Grid (CCGRID)

This conference was published at 34 times by 9 of 16 experts in the last 5 years.

The experts that publish at this conference are: Laurent Lefvre(2), Gabriel Antoniu(5), Philip H. Carns(1), Surendra Byna(6), Albert Y. Zomaya(7), Ivona Brandic(2), Jess Carretero Prez(5), Osman S. Unsal(3), Ivan Rodero(4)

In 2015, there were 1 publications by 1 experts: Surendra Byna

In 2016, there were 6 publications by 4 experts: Jess Carretero Prez, Osman S. Unsal, Ivan Rodero, Surendra Byna

In 2017, there were 10 publications by 6 experts: Albert Y. Zomaya, Laurent Lefvre, Gabriel Antoniu, Jess Carretero Prez, Osman S. Unsal, Ivan Rodero

In 2018, there were 4 publications by 4 experts: Albert Y. Zomaya, Ivona Brandic, Gabriel Antoniu, Surendra Byna

In 2019, there were 7 publications by 7 experts: Albert Y. Zomaya, Laurent Lefvre, Gabriel Antoniu, Philip H. Carns, Jess Carretero Prez, Ivan Rodero, Surendra Byna

In 2020, there were 6 publications by 4 experts: Albert Y. Zomaya, Ivona Brandic, Gabriel Antoniu, Osman S. Unsal

9 out of the 16 experts published at this conference in 1 or more years

8 out of the 16 experts published at this conference in 2 or more years
6 out of the 16 experts published at this conference in 3 or more years
3 out of the 16 experts published at this conference in 4 or more years

4. IEEE International Conference on Cluster Computing (CLUSTER)

This conference was published at 30 times by 9 of 16 experts in the last 5 years.

The experts that publish at this conference are: Laurent Lefvre(1), Frank Mueller(2), Philip H. Carns(6), Surendra Byna(5), Albert Y. Zomaya(4), Hatem Ltaief(3), Gabriel Antoniu(3), Osman S. Unsal(3), Ioan Raicu(4)

In 2015, there were 9 publications by 6 experts: Ioan Raicu, Surendra Byna, Philip H. Carns, Gabriel Antoniu, Osman S. Unsal, Frank Mueller

In 2016, there were 5 publications by 4 experts: Laurent Lefvre, Philip H. Carns, Gabriel Antoniu, Osman S. Unsal

In 2017, there were 6 publications by 4 experts: Albert Y. Zomaya, Philip H. Carns, Osman S. Unsal, Surendra Byna

In 2018, there were 7 publications by 4 experts: Albert Y. Zomaya, Philip H. Carns, Hatem Ltaief, Surendra Byna

In 2019, there were 3 publications by 2 experts: Hatem Ltaief, Frank Mueller

9 out of the 16 experts published at this conference in 1 or more years
7 out of the 16 experts published at this conference in 2 or more years
3 out of the 16 experts published at this conference in 3 or more years
1 out of the 16 experts published at this conference in 4 or more years

5. ISC High Performance

This conference was published at 13 times by 8 of 16 experts in the last 5 years.

The experts that publish at this conference are: Aurelien Bouteiller(1), Frank Mueller(3), Piotr Luszczek(2), Philip H. Carns(2), Surendra Byna(1), Hatem Ltaief(2), Jess Carretero Prez(1), Osman S. Unsal(1)

In 2015, there were 1 publications by 1 experts: Piotr Luszczek

In 2016, there were 3 publications by 2 experts: Piotr Luszczek, Frank Mueller

In 2017, there were 2 publications by 2 experts: Hatem Ltaief, Aurelien Bouteiller

In 2018, there were 4 publications by 3 experts: Philip H. Carns, Jess Carretero Prez, Osman S. Unsal

In 2019, there were 2 publications by 2 experts: Frank Mueller, Surendra Byna

In 2020, there were 1 publications by 1 experts: Hatem Ltaief

8 out of the 16 experts published at this conference in 1 or more years
3 out of the 16 experts published at this conference in 2 or more years

6. European Conference on Parallel Processing (Euro-Par)

This conference was published at 12 times by 7 of 16 experts in the last 5 years.

The experts that publish at this conference are: Laurent Lefvre(1), Jess Carretero Prez(1), Aurelien Bouteiller(1), Ivona Brandic(1), Hatem Ltaief(5), Gabriel Antoniu(1), Osman S. Unsal(2)

In 2015, there were 3 publications by 2 experts: Hatem Ltaief, Osman S. Unsal

In 2016, there were 3 publications by 2 experts: Jess Carretero Prez, Hatem Ltaief

In 2017, there were 2 publications by 2 experts: Laurent Lefvre, Gabriel Antoniu

In 2018, there were 4 publications by 3 experts: Ivona Brandic, Hatem Ltaief, Aurelien Bouteiller

7 out of the 16 experts published at this conference in 1 or more years
1 out of the 16 experts published at this conference in 3 or more years

7. International Conference on Parallel Processing (ICPP)

This conference was published at 9 times by 7 of 16 experts in the last 5 years.

The experts that publish at this conference are: Laurent Lefvre(1), Philip H. Carns(1), Surendra Byna(1), Albert Y. Zomaya(3), Frank Mueller(1), Osman S. Unsal(1), Ivan Rodero(1)

In 2015, there were 2 publications by 2 experts: Albert Y. Zomaya, Osman S. Unsal

In 2016, there were 1 publications by 1 experts: Surendra Byna

In 2017, there were 2 publications by 2 experts: Albert Y. Zomaya, Ivan Rodero

In 2019, there were 4 publications by 4 experts: Albert Y. Zomaya, Laurent Lefvre, Philip H. Carns, Frank Mueller

7 out of the 16 experts published at this conference in 1 or more years

1 out of the 16 experts published at this conference in 3 or more years

8. IEEE International Symposium on High Performance Distributed Computing (HPDC)

This conference was published at 15 times by 6 of 16 experts in the last 5 years.

The experts that publish at this conference are: Surendra Byna(5), Philip H. Carns(1), Frank Mueller(4), Gabriel Antoniu(1), Ivan Rodero(2), Ioan Raicu(3)

In 2015, there were 5 publications by 4 experts: Philip H. Carns, Surendra Byna, Frank Mueller, Ioan Raicu

In 2016, there were 3 publications by 3 experts: Gabriel Antoniu, Ivan Rodero, Surendra Byna

In 2017, there were 1 publications by 1 experts: Surendra Byna

In 2018, there were 2 publications by 1 experts: Frank Mueller

In 2019, there were 1 publications by 1 experts: Ivan Rodero

In 2020, there were 3 publications by 2 experts: Frank Mueller, Surendra Byna

6 out of the 16 experts published at this conference in 1 or more years

3 out of the 16 experts published at this conference in 2 or more years

2 out of the 16 experts published at this conference in 3 or more years

1 out of the 16 experts published at this conference in 4 or more years

9. IEEE International Conference on Big Data (BigData)

This conference was published at 13 times by 5 of 16 experts in the last 5 years.

The experts that publish at this conference are: Piotr Luszczek(1), Ioan Raicu(2), Gabriel Antoniu(5), Frank Mueller(1), Surendra Byna(4)

In 2015, there were 6 publications by 4 experts: Ioan Raicu, Gabriel Antoniu, Surendra Byna, Frank Mueller

In 2016, there were 2 publications by 2 experts: Gabriel Antoniu, Surendra Byna

In 2017, there were 3 publications by 2 experts: Piotr Luszczek, Gabriel Antoniu

In 2018, there were 1 publications by 1 experts: Surendra Byna

In 2019, there were 1 publications by 1 experts: Gabriel Antoniu

5 out of the 16 experts published at this conference in 1 or more years

2 out of the 16 experts published at this conference in 3 or more years

1 out of the 16 experts published at this conference in 4 or more years

Top People Report

Method of selection: We used google scholar search with the keywords "high performance computing" and chose the top 10

names. Then we chose the top journals from Aminer under the category "IJComputer Architecture / Parallel and Distributed Computer / Storage" which were TPDS, FGCS, TC, TCC, TJSC, and JPDC. We chose the senior editors for each of these journals if they had a google scholar profile so that we could find their h-index. If they did not have a google scholar profile, we skipped that name. With this method, we came up with 21 names.

	name	h-index	gscholar url
Keyword: NA	Zhang Yong-Wei	78	https://scholar.google.com/citations?hl=en&user=6ARm7PcAAAAJ
	Albert Y. Zomaya	77	https://scholar.google.com/citations?hl=en&user=ak35bjgAAAAJ
	David Walker	52	https://scholar.google.com/citations?hl=en&user=W-IMms4AAAAJ
	gang zhang	66	https://scholar.google.com/citations?hl=en&user=iDfm2r8AAAAJ
	Manish Parashar	58	https://scholar.google.com/citations?hl=en&user=SCM351MAAAAAJ
	Erik Cambria	76	https://scholar.google.com/citations?user=i1SYpW0AAAAJ&hl=en&oi=ao
	Yuanyuan Yang	60	https://scholar.google.com/citations?user=sPDAJ7MAAAAAJ&hl=en&oi=ao
	Per Stenstrom	47	https://scholar.google.com/citations?hl=en&user=wsMoM6cAAAAJ
	Thomas Fahringer	50	https://scholar.google.com/citations?hl=en&user=ZXg8fYAAAAAJ
	Gordon Blair	60	https://scholar.google.com/citations?hl=en&user=TQj5qo0AAAAJ
	Omer Rana	49	https://scholar.google.com/citations?hl=en&user=Tbo0BAMAAAAJ
	Jinjun Chen	59	https://scholar.google.com/citations?hl=en&user=mQ9vJ24AAAAJ
	Jack Dongarra	136	https://scholar.google.com/citations?hl=en&user=X4SbSTAAAAAJ
	William Gropp	80	https://scholar.google.com/citations?hl=en&user=vB96fX8AAAAJ
	Xiaoming Li	60	https://scholar.google.com/citations?hl=en&user=tL9zHywAAAAJ
	Satoshi Matsuoka	58	https://scholar.google.com/citations?hl=en&user=UcW018YAAAAJ
	Dan Reed	61	https://scholar.google.com/citations?hl=en&user=YCw2r14AAAAJ
	Joel Saltz	71	https://scholar.google.com/citations?hl=en&user=_OdkufgAAAAJ
	Mateo Valero	65	https://scholar.google.com/citations?hl=en&user=MyT3cHQAAAAJ
	Mary Wheeler	76	https://scholar.google.com/citations?hl=en&user=sX58qHkAAAAJ

Reference item: \ 1. IEEE International Parallel and Distributed Processing Symposium (IPDPS)

 This conference was published at 47 times by 8 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(6), Per Stenstrm(4), Satoshi Matsuoka(10), Manish Parashar(5), Albert Y. Zomaya(3), William Gropp(1), Thomas Fahringer(1), Jack J. Dongarra(17)

In 2015, there were 10 publications by 7 experts: Albert Y. Zomaya, Mateo Valero, Per Stenstrm, Satoshi Matsuoka, Manish Parashar, Thomas Fahringer, Jack J. Dongarra

In 2016, there were 7 publications by 3 experts: Mateo Valero, Satoshi Matsuoka, Jack J. Dongarra

In 2017, there were 9 publications by 3 experts: Mateo Valero, Satoshi Matsuoka, Jack J. Dongarra

In 2018, there were 9 publications by 4 experts: Albert Y. Zomaya, Satoshi Matsuoka, Jack J. Dongarra, Manish Parashar

In 2019, there were 9 publications by 6 experts: Albert Y. Zomaya, Per Stenstrm, William Gropp, Manish Parashar, Satoshi Matsuoka, Jack J. Dongarra

In 2020, there were 3 publications by 2 experts: Per Stenstrm, Satoshi Matsuoka

8 out of the 16 experts published at this conference in 1 or more years

6 out of the 16 experts published at this conference in 3 or more years

2 out of the 16 experts published at this conference in 5 or more years

1 out of the 16 experts published at this conference in 6 or more years

2. IEEE/ACM International Symposium on Cluster Computing and the Grid (CCGRID)

 This conference was published at 26 times by 7 of 16 experts in the last 5 years.

The experts that publish at this conference are: Satoshi Matsuoka(5), Manish Parashar(10), Omer Rana(1), Albert Y. Zomaya(7), Gordon S. Blair(2), William Gropp(1), Jack J. Dongarra(1)

In 2015, there were 4 publications by 4 experts: William Gropp, Satoshi Matsuoka, Manish Parashar, Omer Rana

In 2016, there were 2 publications by 1 experts: Manish Parashar

In 2017, there were 6 publications by 3 experts: Albert Y. Zomaya, Satoshi Matsuoka, Manish Parashar

In 2018, there were 2 publications by 2 experts: Albert Y. Zomaya, Satoshi Matsuoka

In 2019, there were 6 publications by 4 experts: Albert Y. Zomaya, Gordon S. Blair, Satoshi Matsuoka, Manish Parashar

In 2020, there were 6 publications by 3 experts: Albert Y. Zomaya, Jack J. Dongarra, Manish Parashar

7 out of the 16 experts published at this conference in 1 or more years

3 out of the 16 experts published at this conference in 4 or more years

1 out of the 16 experts published at this conference in 5 or more years

3. International Conference on Computational Science (ICCS)

This conference was published at 21 times by 7 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(1), Satoshi Matsuoka(1), Manish Parashar(1), Mary F. Wheeler(2), Albert Y. Zomaya(2), Thomas Fahringer(2), Jack J. Dongarra(12)

In 2015, there were 3 publications by 3 experts: Mary F. Wheeler, Jack J. Dongarra, Thomas Fahringer

In 2016, there were 5 publications by 3 experts: Satoshi Matsuoka, Jack J. Dongarra, Manish Parashar

In 2017, there were 5 publications by 1 experts: Jack J. Dongarra

In 2018, there were 2 publications by 2 experts: Albert Y. Zomaya, Jack J. Dongarra

In 2019, there were 3 publications by 3 experts: Mary F. Wheeler, Albert Y. Zomaya, Thomas Fahringer

In 2020, there were 3 publications by 2 experts: Mateo Valero, Jack J. Dongarra

7 out of the 16 experts published at this conference in 1 or more years

4 out of the 16 experts published at this conference in 2 or more years

1 out of the 16 experts published at this conference in 5 or more years

4. IEEE International Conference on Cluster Computing (CLUSTER)

This conference was published at 15 times by 7 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(1), Joel H. Saltz(1), Satoshi Matsuoka(5), Manish Parashar(2), Albert Y. Zomaya(4), Thomas Fahringer(1), Jack J. Dongarra(1)

In 2015, there were 2 publications by 2 experts: Mateo Valero, Jack J. Dongarra

In 2016, there were 1 publications by 1 experts: Satoshi Matsuoka

In 2017, there were 5 publications by 4 experts: Albert Y. Zomaya, Joel H. Saltz, Satoshi Matsuoka, Manish Parashar

In 2018, there were 6 publications by 3 experts: Albert Y. Zomaya, Satoshi Matsuoka, Thomas Fahringer

In 2019, there were 1 publications by 1 experts: Manish Parashar

7 out of the 16 experts published at this conference in 1 or more years

3 out of the 16 experts published at this conference in 2 or more years

1 out of the 16 experts published at this conference in 3 or more years

5. International Conference for High Performance Computing, Networking, Storage and Analysis (SC)

This conference was published at 44 times by 6 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(4), Satoshi Matsuoka(9), Manish Parashar(6), William Gropp(3), Thomas Fahringer(1), Jack J. Dongarra(22)

In 2015, there were 15 publications by 5 experts: Mateo Valero, William Gropp, Manish Parashar, Satoshi Matsuoka, Jack J. Dongarra

In 2016, there were 11 publications by 6 experts: Mateo Valero, Satoshi Matsuoka, Manish Parashar, Thomas Fahringer, William Gropp, Jack J. Dongarra

In 2017, there were 5 publications by 3 experts: Satoshi Matsuoka, William Gropp, Jack J. Dongarra

In 2018, there were 4 publications by 4 experts: Mateo Valero, Satoshi Matsuoka, Manish Parashar, Jack J. Dongarra

In 2019, there were 9 publications by 3 experts: Satoshi Matsuoka, Jack J. Dongarra, Manish Parashar

6 out of the 16 experts published at this conference in 1 or more years
5 out of the 16 experts published at this conference in 3 or more years
3 out of the 16 experts published at this conference in 4 or more years
2 out of the 16 experts published at this conference in 5 or more years

6. International Conference on Parallel Processing (ICPP)

This conference was published at 12 times by 6 of 16 experts in the last 5 years.

The experts that publish at this conference are: Per Stenstrm(2), Satoshi Matsuoka(3), Manish Parashar(1), Omer Rana(1), Albert Y. Zomaya(3), Jack J. Dongarra(2)

In 2015, there were 2 publications by 2 experts: Albert Y. Zomaya, Per Stenstrm

In 2017, there were 5 publications by 4 experts: Albert Y. Zomaya, Satoshi Matsuoka, Jack J. Dongarra, Manish Parashar

In 2018, there were 1 publications by 1 experts: Satoshi Matsuoka

In 2019, there were 4 publications by 4 experts: Albert Y. Zomaya, Per Stenstrm, Jack J. Dongarra, Omer Rana

6 out of the 16 experts published at this conference in 1 or more years
4 out of the 16 experts published at this conference in 2 or more years
1 out of the 16 experts published at this conference in 3 or more years

7. European Conference on Parallel Processing (Euro-Par)

This conference was published at 15 times by 5 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(4), Satoshi Matsuoka(1), Jack J. Dongarra(5), Thomas Fahringer(4), Manish Parashar(1)

In 2015, there were 6 publications by 4 experts: Mateo Valero, Satoshi Matsuoka, Jack J. Dongarra, Thomas Fahringer

In 2016, there were 2 publications by 2 experts: Jack J. Dongarra, Thomas Fahringer

In 2017, there were 4 publications by 3 experts: Mateo Valero, Jack J. Dongarra, Manish Parashar

In 2018, there were 1 publications by 1 experts: Jack J. Dongarra

In 2019, there were 2 publications by 2 experts: Jack J. Dongarra, Thomas Fahringer

5 out of the 16 experts published at this conference in 1 or more years
3 out of the 16 experts published at this conference in 2 or more years
2 out of the 16 experts published at this conference in 3 or more years
1 out of the 16 experts published at this conference in 5 or more years

8. IEEE International Conference on High Performance Computing and Communications (HPCC)

This conference was published at 12 times by 5 of 16 experts in the last 5 years.

The experts that publish at this conference are: Albert Y. Zomaya(5), Jinjun Chen(3), Satoshi Matsuoka(1), Jack J. Dongarra(1), Omer Rana(2)

In 2015, there were 2 publications by 2 experts: Jack J. Dongarra, Omer Rana

In 2016, there were 7 publications by 3 experts: Albert Y. Zomaya, Jinjun Chen, Satoshi Matsuoka

In 2017, there were 1 publications by 1 experts: Albert Y. Zomaya

In 2018, there were 2 publications by 2 experts: Albert Y. Zomaya, Omer Rana

5 out of the 16 experts published at this conference in 1 or more years
2 out of the 16 experts published at this conference in 2 or more years

1 out of the 16 experts published at this conference in 3 or more years

9. IEEE International Conference on Big Data (BigData)

This conference was published at 11 times by 5 of 16 experts in the last 5 years.

The experts that publish at this conference are: Mateo Valero(1), Joel H. Saltz(1), Satoshi Matsuoka(4), Jack J. Dongarra(3), Manish Parashar(2)

In 2015, there were 3 publications by 3 experts: Mateo Valero, Jack J. Dongarra, Manish Parashar

In 2016, there were 3 publications by 1 experts: Satoshi Matsuoka

In 2017, there were 3 publications by 2 experts: Satoshi Matsuoka, Jack J. Dongarra

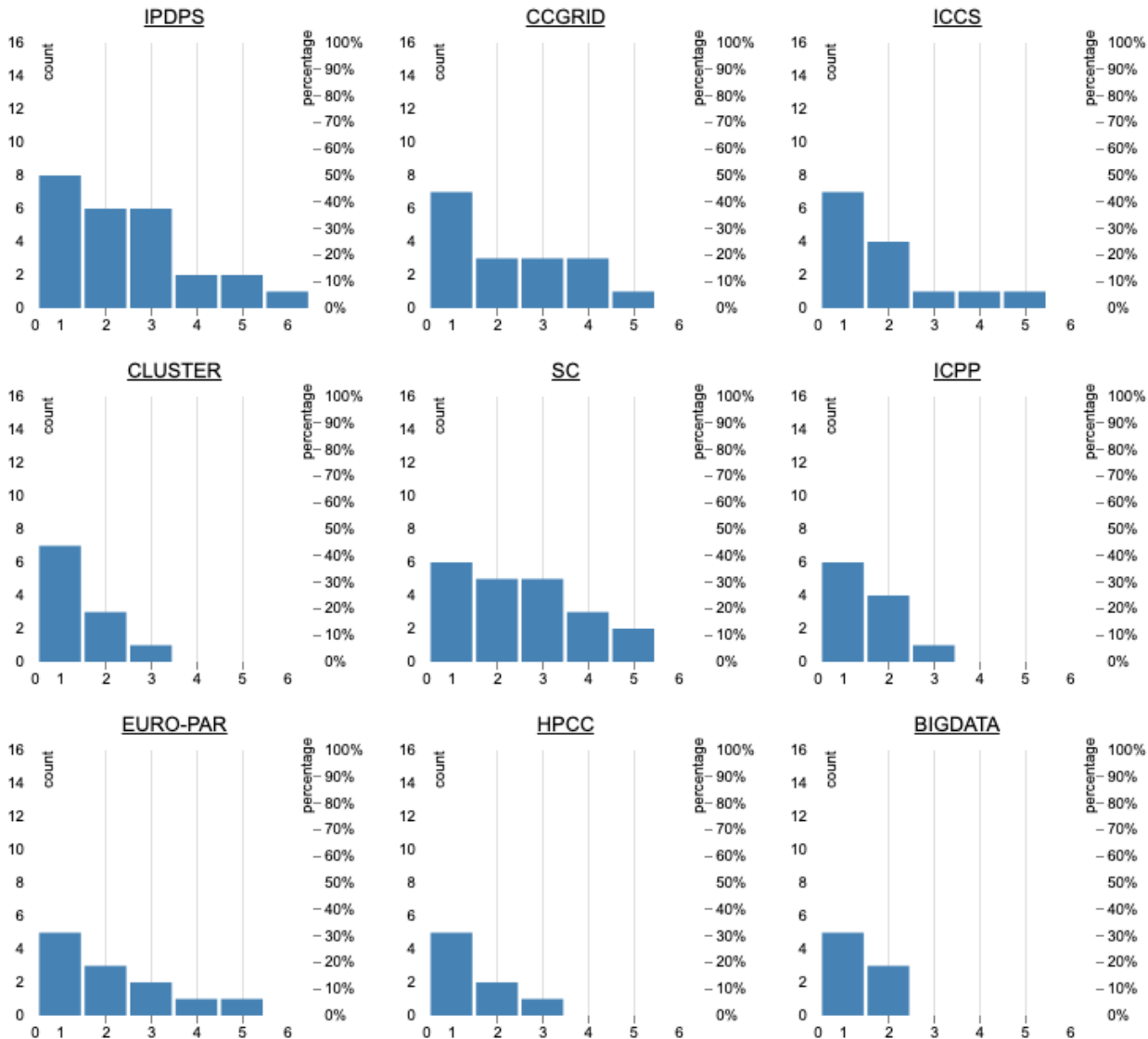
In 2019, there were 2 publications by 2 experts: Joel H. Saltz, Manish Parashar

5 out of the 16 experts published at this conference in 1 or more years

3 out of the 16 experts published at this conference in 2 or more years

WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1623_top_people_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1623_top_people_graph.png



Other Information

Comparator Comparison

Comparator

International European Conference on Parallel and Distributed Computing (was International Conference on Parallel Processing)

Explanation as to why conference is superior to comparator:

Cluster and EuroPar both serve a community focused on HPC.

Cluster is the 4th most preferred venue in WPP for Top People (D2), whereas EuroPar is 7th.

h5 index of EuroPar is 20 whereas h5 of Cluster 21.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1623_926.pdf

Comparator

IEEE International Symposium on Cluster, Cloud and Grid Computing

Explanation as to why conference is superior to comparator:

Cluster is a more focused in scope conference than CCGrid: CCGrid contains HPC and cloud; Cluster is more focused on HPC, serving a smaller community.

Cluster is the 4th most preferred venue in WPP for Top People (D2), whereas CCGrid is just two position higher (2nd), despite the broader scope and communities served by CCGrid.

h5 index of CCGrid is 25 whereas h5 of Cluster 21.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1623_946.pdf

Comparator

IEEE International Conference on e-Science and Grid Computing

Explanation as to why conference is superior to comparator:

Cluster and eScience both serve a community focused on workflows and application on distributed systems.

Cluster is the 4th most preferred venue in WPP for top people (D2), whereas e-Science is not in the top 10 (it scores 28).

h5 index of eScience is 0 (

<https://www.guide2research.com/conference/e-science-2021-international-conference-on-e-science>) whereas h5 of Cluster 21.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1623_1034.pdf

Other Relvant Info

Other relevant information: First of all, we want to thank CORE for the opportunity and consideration. We also want to outline that since 2020, Cluster has a all female leadership (Michela Taufer, Steering Chair, and Kathryn Mohror, Secretary). We are putting a lot of emphasis on diversity (geographical and gender diversity). Cluster 2021 has a female General co-Chair and a female Technical Program co-Chair). Cluster 2022 has a female Technical Program co-Chair. Cluster 2023 has a female Technical Program co-Chair.

Attachments

N/A

Proposers

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