Submission Data for 2020-2021 CORE conference Ranking process
International Symposium on Distributed Computing (was WDAG)

Andrea Richa

Conference Details

Conference

Title: International Symposium on Distributed Computing (was WDAG)
Acronym : DISC
Rank: A

Requested Rank

Rank: A*

Recent Years

Proceedings Publishing Style

Proceedings Publishing: series
Link to most recent proceedings: `https://drops.dagstuhl.de/opus/portals/lipics/index.php?semnr=16168`
Further details: 34th International Symposium on Distributed Computing (DISC 2020).
Editor: Hagit Attiya
Leibniz International Proceedings in Informatics Schloss Dagstuhl âĂŞ Leibniz-Zentrum fÃijr Informatik, Dagstuhl Publishing, Germany
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DISC, the International Symposium on Distributed Computing, is an international forum on the theory, design, analysis, implementation and application of distributed systems and networks. DISC is organized in cooperation with the European Association for Theoretical Computer Science (EATCS). This proceedings volume contains the papers presented at DISC 2020, the 34th International Symposium on Distributed Computing, held as a virtual event online on October 12âĂŞ16, 2020. It also includes the citations for two awards jointly sponsored by DISC and the ACM Symposium on Principles of Distributed Computing (PODC).
There was a record number of submissions this year: 170 regular paper submissions, and 15 brief announcement submissions. The program committee decided to accept 39 regular submissions (an acceptance rate of 23%) and 15 brief announcements (indicated by "Brief Announcement" in the paper title) for presentation at DISC 2020.

Most Recent Years

Most Recent Year

Year: 2019
URL: `http://www.disc-conference.org/wp/disc2019/`
Location: Budapest, Hungary
Papers submitted: 145
Papers published: 34
Acceptance rate: 23
Source for numbers: `https://drops.dagstuhl.de/opus/volltexte/2019/11307/pdf/LIPIcs-DISC-2019-0.pdf`

General Chairs

Name: Yoram Moses
Affiliation: Technion, Israel
Gender: M
H Index: 33
GScholar url: `https://scholar.google.com/citations?user=X90c-SYAAAAJ&hl=en`
DBLP url: `https://dblp.org/pid/81/49.html`

Program Chairs

Name: Jukka Suomela
Affiliation: Aalto University, Finland
Gender: M
H Index: 23
GScholar url: https://scholar.google.com/citations?user=hTZOWl8AAAAJ&hl=en
DBLP url: https://dblp.org/pid/80/1772.html

Second Most Recent Year

Year: 2018
URL: http://www.disc-conference.org/wp/disc2018/
Location: New Orleans, USA
Papers submitted: 161
Papers published: 38
Acceptance rate: 24
Source for numbers: https://drops.dagstuhl.de/opus/volltexte/2018/9789/pdf/LIPIcs-DISC-2018-0.pdf

General Chairs

Name: Yoram Moses
Affiliation: Technion, Israel
Gender: M
H Index: 33
GScholar url: https://scholar.google.com/citations?user=X90c-SYAAAAJ&hl=en
DBLP url: https://dblp.org/pid/81/49.html

Program Chairs

Name: Ulrich Schmid
Affiliation: Technical University of Vienna
Gender: M
H Index: 40
GScholar url: https://scholar.google.com/citations?user=Rc9I3rMAAAAJ&hl=de
DBLP url: https://dblp.org/pid/57/3614-1.html

Third Most Recent Year

Year: 2017
URL: http://www.disc-conference.org/wp/disc2017/
Location: Vienna, Austria
Papers submitted: 160
Papers published: 39
Acceptance rate: 24
Source for numbers: https://drops.dagstuhl.de/opus/volltexte/2017/7962/pdf/LIPIcs-DISC-2017-0.pdf

General Chairs

Name: Shlomi Dolev
Affiliation: Ben-Gurion University, Israel
Gender: M
H Index: 49
GScholar url: https://scholar.google.com/citations?user=Y_-5w7EAAAAJ&hl=en
DBLP url: https://dblp.org/pid/d/ShlomiDolev.html

Program Chairs

Name: Andrea Richa
Affiliation: Arizona State University, USA
Gender: F
H Index: 34
GScholar url: https://scholar.google.com/citations?user=1LUuMc8AAAAJ&hl=en
DBLP url: https://dblp.org/pid/r/AndreaWRicha.html

Policies

Chair Selection: SELECTION OF DISC CHAIRS:
The next DISC Program Committee (PC) Chair is determined by the DISC Steering Committee (SC) as follows.
- Any current SC Member can nominate the next PC Chair candidates to the SC (candidates cannot be current SC members); the candidates are then discussed within the SC.
- If there are more than two candidates at the conclusion of the discussion, the Troika of PC Chairs selects the final list of two candidates.
o The next PC Chair is then elected by a majority of at least 5 out of the 7 members of the SC.
- The elected PC Chair subsequently joins the SC, replacing the oldest serving PC Chair of the Troika.
It has been customary to alternate between more senior and more junior members as DISC PC chairs in consecutive years.
DISC does not officially have a General Chair position: In general the Steering Committee Chair assumes the role of General Chair, but in some years, the Local Arrangements Chair took up the role of General Chair as well (as happened in 2020).
The DISC SC Chair position is a two-year position, elected by the assembly at the respective year's DISC business meeting.
Policy name: Anti-harassment policy
Policy url: `http://www.disc-conference.org/wp/wp-content/uploads/2018/11/Anti-Harassment-Policy.pdf`

(Senior) Program Committee

Link to (s)pc: `http://www.disc-conference.org/wp/disc2020/committee/`
File: `http://portal.core.edu.au/core/media/conf_submissions_spc_file/disc-2020-pc_0DTatFF.txt`
H-index plot: `http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1387.png`
Information Contained within this graph is derived using the Elsevier Scopus Database 2021.
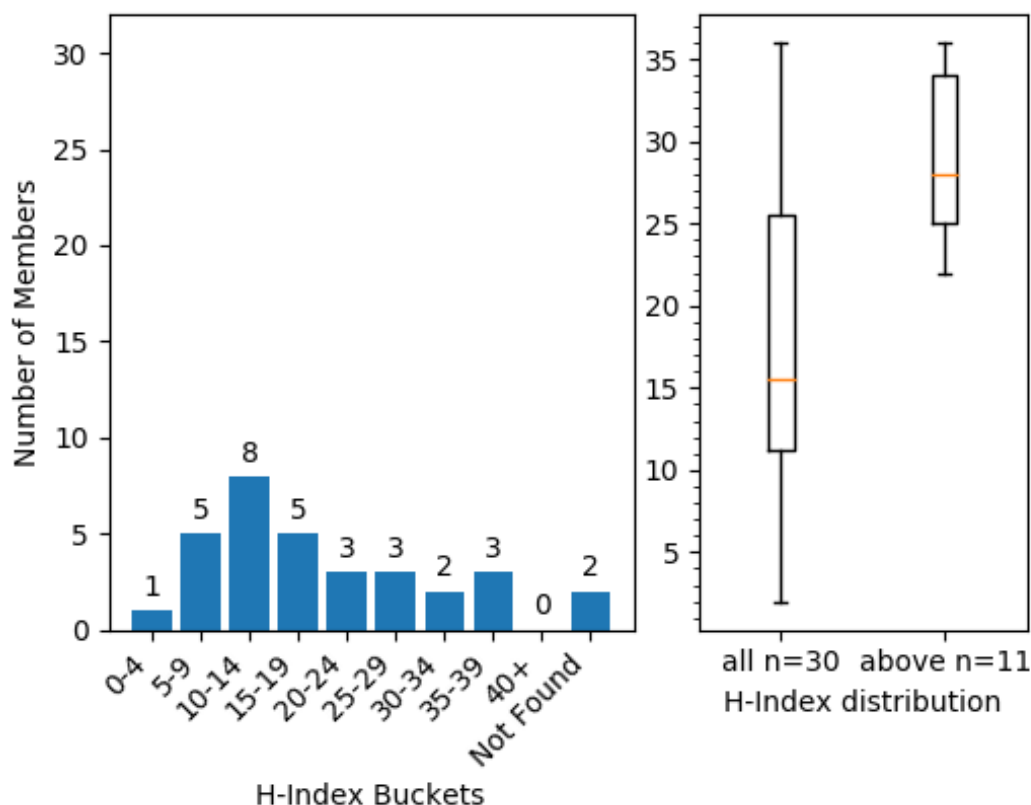
Data and Metrics

Google Scholar Metrics

Sub-category url: `https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_theoreticalcomputerscience`
Position in sub-category: 20+
Image of top 20: `http://portal.core.edu.au/core/media/changes_h5/higherrank1387_gscholar_minh5.pdf`
h5-index for this conference: 23

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Not Listed in Aminer

Other Rankings

Not aware of any other Rankings
Conferences in area: Theoretical Distributed Computing Conferences:
- ACM Symposium on Principles of Distributed Computing (PODC)
- International Symposium on Distributed Computing (DISC)
- ACM Symposium on Parallelism in Algorithms and Architecture (SPAA)

Top People Publishing Here

name: Nancy Lynch
justification: MIT, USA
h-index 75 22 DISC publications overall
Honors and Awards: NAE, NAS, AAAS, and ACM Fellow; Knuth Prize; IEEE Emanuel R. Piore Award; ACM Athena Lecturer; Dijkstra Prize (x2)
`https://en.wikipedia.org/wiki/Nancy_Lynch`
`https://scholar.google.com/citations?user=LPTkkxUAAAAJ&hl=en`
`https://dblp.org/pid/l/NancyALynch.html`
Paper counts:

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

Attendance: ALWAYS
name: Roger Wattenhofer
justification: ETH Zurich, Switzerland
h-index 86 19 DISC papers overall
`https://dblp.org/pid/w/RogerWattenhofer.html`
`https://disco.ethz.ch/members/wroger`
`https://scholar.google.com/`
Paper counts:

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

Attendance: ALWAYS
name: Nitin Vaidya
justification: Georgetown U., USA; formely at U Illinois at Urbana-Champaign
h-index 72
Honors and Awards: IEEE Fellow
`https://dblp.org/pid/v/NitinHVaidya.html`
`https://disc.georgetown.domains/`
`https://scholar.google.com/`
Paper counts:

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

Attendance: ALWAYS
name: Maurice Herlihy
justification: Brown University, USA
h-index 70 21 DISC papers overall
Honors and Awards: ACM Fellow, National Academy of Engineering, National Academy of Arts and Sciences, National Academy of Inventors; 2003 Dijkstra prize; 2004 Goedel Prize; 2008 ISCA influential paper; 2012 Dijkstra Prize; 2013 Wallace McDowell Award
`https://dblp.org/pid/h/MauriceHerlihy.html`
`https://cs.brown.edu/~mph/`
`https://scholar.google.com/`
Paper counts:

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

Attendance: ALWAYS
name: Michel Raynal
justification: INRIA, France
h-index 61 22 DISC papers overall
Honors and Awards: Member of Academia Europea, 2018 IEEE award for Outstanding Technical Achievement in Distributed Computing; 2015 Prize for Innovation in Distributed Computing
`https://dblp.org/search?q=michel%20raynal%20venue%3ADISC%3A`
`https://en.wikipedia.org/wiki/Michel_Raynal`

`https://scholar.google.com/`

Paper counts:

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

Attendance: ALWAYS

name: Michael Scott

justification: U. Of Rochester, USA

h-index 59 10 DISC papers overall

Honors and Awards: IEEE and ACM Fellow; Dijkstra prize

`https://dblp.org/search?q=michael%20scott%20venue%3ADISC%3A`

`https://www.cs.rochester.edu/~scott/`

`https://scholar.google.com/`

Paper counts:

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

Attendance: OFTEN

name: Rachid Guerraoui

justification: EPFL, Switzerland

h-index 71 31 DISC papers overall

Honors and Awards: ACM Fellow; Google Focused Award

`https://dblp.org/search?q=rachid%20guerraoui%20venue%3ADISC%3A`

`https://en.wikipedia.org/wiki/Rachid_Guerraoui`

`https://scholar.google.com/citations?user=_TR-7CEAAAAJ&hl=en`

Paper counts:

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

Attendance: ALWAYS

name: Hagit Attiya

justification: Technion, Israel

h-index 44 19 DISC papers overall

Honors and Awards: ACM Fellow; Dijkstra Prize

DISC 2020 Program Committee Chair

`https://dblp.org/search?q=hagit%20attiya%20venue%3ADISC%3A`

`https://scholar.google.com/`

Paper counts:

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

Attendance: ALWAYS

name: Dahlia Malkhi

justification: Novi Financial and Diem Association, Chief Technology Officer, USA

h-index 55 17 DISC papers overall

Honors and Awards: ACM Fellow

`https://dblp.org/search?q=dahlia%20malkhi%20venue%3ADISC%3A`

`https://en.wikipedia.org/wiki/Dahlia_Malkhi`

`https://www.linkedin.com/in/dahlia-malkhi-8b836a5/`

`https://scholar.google.com/`

Paper counts:

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

Attendance: ALWAYS

name: Pierre Fraigniaud

justification: CNRS and Universite de Paris, France

h-index 50 17 DISC papers overall

Honors and Awards: 2012 Silver Medal from CNRS, France; 2014 Prize for Innovation in Distributed Computing.

`https://dblp.org/search?q=pierre%20fraigniaud%20venue%3ADISC%3A`

`https://scholar.google.com/citations?hl=en&user=wBxUUFIAAAAJ`

`https://www.irif.fr/users/pierref/index`

Paper counts:

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

Attendance: ALWAYS

Where People Publish

Top (Senior) Program Committee Members

Repeat year publishing

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.
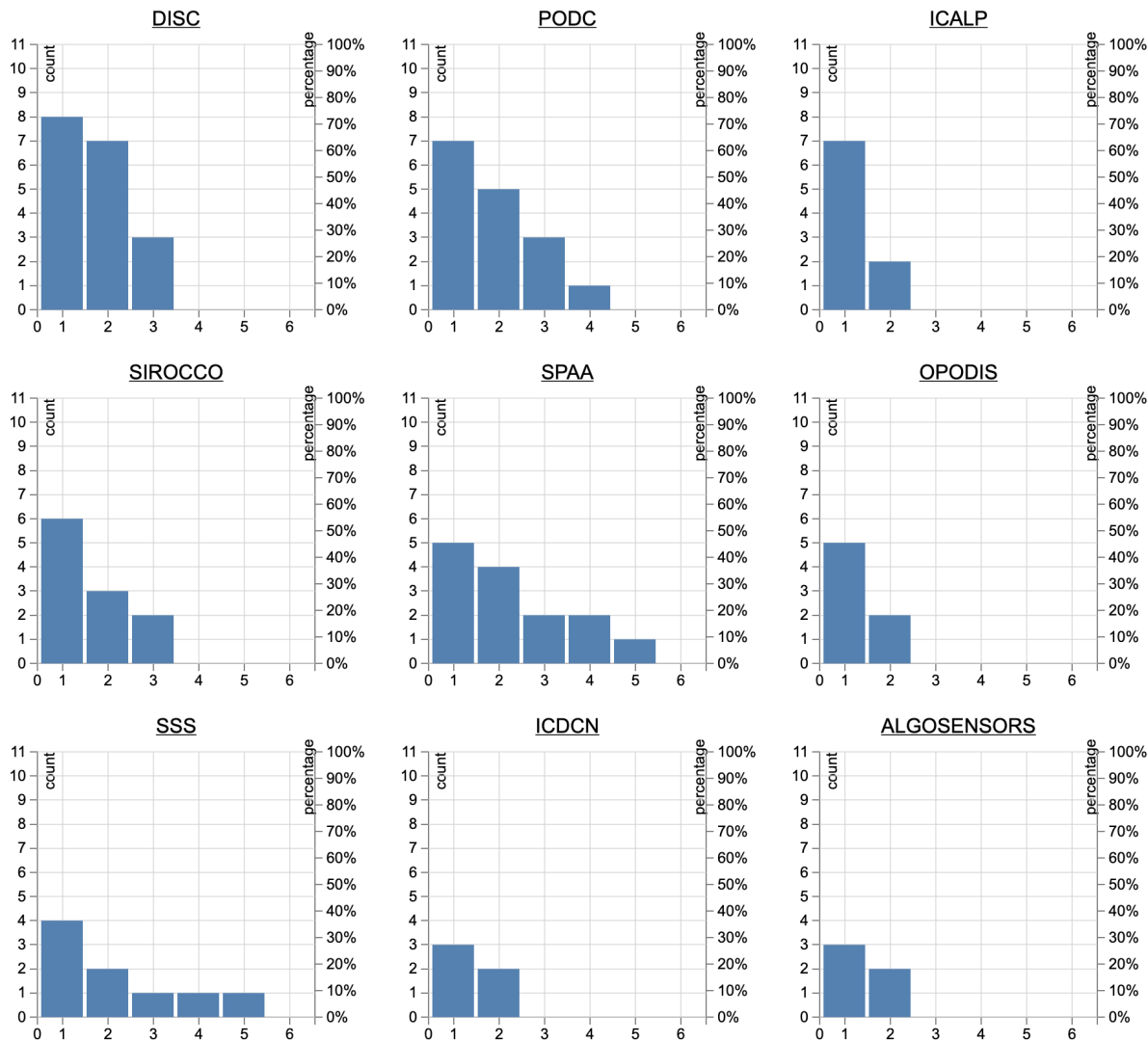
Additional 72 graphs

Reference item: \\ 1. International Symposium on Distributed Computing (DISC)

This conference was published at 21 times by 8 of 11 experts in the last 5 years.

The experts that publish at this conference are: Dariusz R. Kowalski(3), James Aspnes(3), Boaz Patt-Shamir(1), Christian Scheideler(2), Hagit Attiya(4), Paola Flocchini(3), ric Goubault(3), Anne-Marie Kermarrec(2)

In 2015, there were 3 publications by 3 experts: Hagit Attiya, ric Goubault, Anne-Marie Kermarrec
In 2016, there were 4 publications by 4 experts: Hagit Attiya, Boaz Patt-Shamir, James Aspnes, Christian Scheideler
In 2017, there were 3 publications by 2 experts: Anne-Marie Kermarrec, Paola Flocchini
In 2018, there were 5 publications by 4 experts: Dariusz R. Kowalski, ric Goubault, James Aspnes, Paola Flocchini
In 2019, there were 6 publications by 5 experts: Hagit Attiya, Dariusz R. Kowalski, ric Goubault, James Aspnes, Christian Scheideler

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

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3 out of the 11 experts published at this conference in 3 or more years
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Top People Report

Method of selection: We searched for all Dijkstra Prize recipients (2000-2020) with Google Scholar profiles (the Dijkstra Prize is the top award for researchers working in theoretical distributed computing\algorithms).

Additionally we searched for top-10 Google Scholar profiles according to citations for the following relevant research area keywords or keyword combinations:

- "distributed algorithms" - "distributed computing" and "algorithms" - "distributed systems" and "algorithms"

This resulted in a list of 33 Google Scholar profiles with h-index at least 45.

We trimmed the list to 20 top people based on the h-index.

Keyword: "distributed algorithms"; "distributed computing" + "algorithms"; "distributed systems" + "algorithms"

name	h-index	gscholar url
Antonio Loureiro	63	https://scholar.google.com/citations?hl=en&user=GOGlTIMAAAAJ
Aravind Srinivasan	60	https://scholar.google.com/citations?hl=en&user=sPzla6IAAAAJ
Cynthia Dwork	72	https://scholar.google.com/citations?hl=en&user=y2H5xmkAAAAJ
Danny Dolev	66	https://scholar.google.com/citations?hl=en&user=RAt7zSUAAAAJ
David Peleg	75	https://scholar.google.com/citations?hl=en&user=wBVagosAAAAJ
Elaine Shi	66	https://scholar.google.com/citations?hl=en&user=rejzeocAAAAJ
Joseph Y. Halpern	89	https://scholar.google.com/citations?hl=en&user=FsBCAfgAAAAJ
K. Mani Chandy	61	https://scholar.google.com/citations?hl=en&user=_e1E9DQAAAAJ
Leslie Lamport	80	https://scholar.google.com/citations?hl=en&user=uG3icVgAAAAJ
Maurice Herlihy	70	https://scholar.google.com/citations?hl=en&user=Ezrt3pkAAAAJ
Michael L. Scott	59	https://scholar.google.com/citations?hl=en&user=PzaBy-UAAAAJ
Michael Luby	93	https://scholar.google.com/citations?hl=en&user=OCzTJZ8AAAAJ
Michel Raynal	61	https://scholar.google.com/citations?hl=en&user=d3BBqmgAAAAJ
Moti Yung	108	https://scholar.google.com/citations?hl=en&user=ScL8iFQAAAAJ
Nancy A. Lynch	75	https://scholar.google.com/citations?hl=en&user=LPTkkxUAAAAJ
Nathan Linial	58	https://scholar.google.com/citations?hl=en&user=wEBsSloAAAAJ
Noga Alon	104	https://scholar.google.com/citations?hl=en&user=vOYl40wAAAAJ
Rachid Guerraoui	71	https://scholar.google.com/citations?hl=en&user=_TR-7CEAAAAJ
Rafail Ostrovsky	75	https://scholar.google.com/citations?hl=en&user=UvFrX04AAAAJ
Roger Wattenhofer	86	https://scholar.google.com/citations?hl=en&user=EG3VPm4AAAAJ

```
Reference item: \\ 2. International Symposium on Distributed Computing (DISC)
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This conference was published at 23 times by 8 of 19 experts in the last 5 years.

The experts that publish at this conference are: Rachid Guerraoui(5), Michael L. Scott(2), Maurice Herlihy(3),
Elaine Shi(1), Michel Raynal(3), Nancy A. Lynch(5), Roger Wattenhofer(3), David Peleg(1)

    In 2015, there were 6 publications by 5 experts: Michel Raynal, Rachid Guerraoui, Roger Wattenhofer, David
Peleg, Nancy A. Lynch
    In 2016, there were 4 publications by 4 experts: Michel Raynal, Rachid Guerraoui, Maurice Herlihy, Michael L.
Scott
    In 2017, there were 8 publications by 6 experts: Elaine Shi, Michel Raynal, Maurice Herlihy, Roger
Wattenhofer, Michael L. Scott, Nancy A. Lynch
    In 2018, there were 3 publications by 3 experts: Roger Wattenhofer, Rachid Guerraoui, Nancy A. Lynch
    In 2019, there were 2 publications by 2 experts: Rachid Guerraoui, Nancy A. Lynch


8 out of the 19 experts published at this conference in 1 or more years
6 out of the 19 experts published at this conference in 2 or more years
4 out of the 19 experts published at this conference in 3 or more years
2 out of the 19 experts published at this conference in 4 or more years
```
WPP Report:
http://portal.core.edu.au/core/media/conf_rank_report/higherrank1387_top_people_report.txt
Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1387_top_people_graph.png

Repeat year publishing

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.
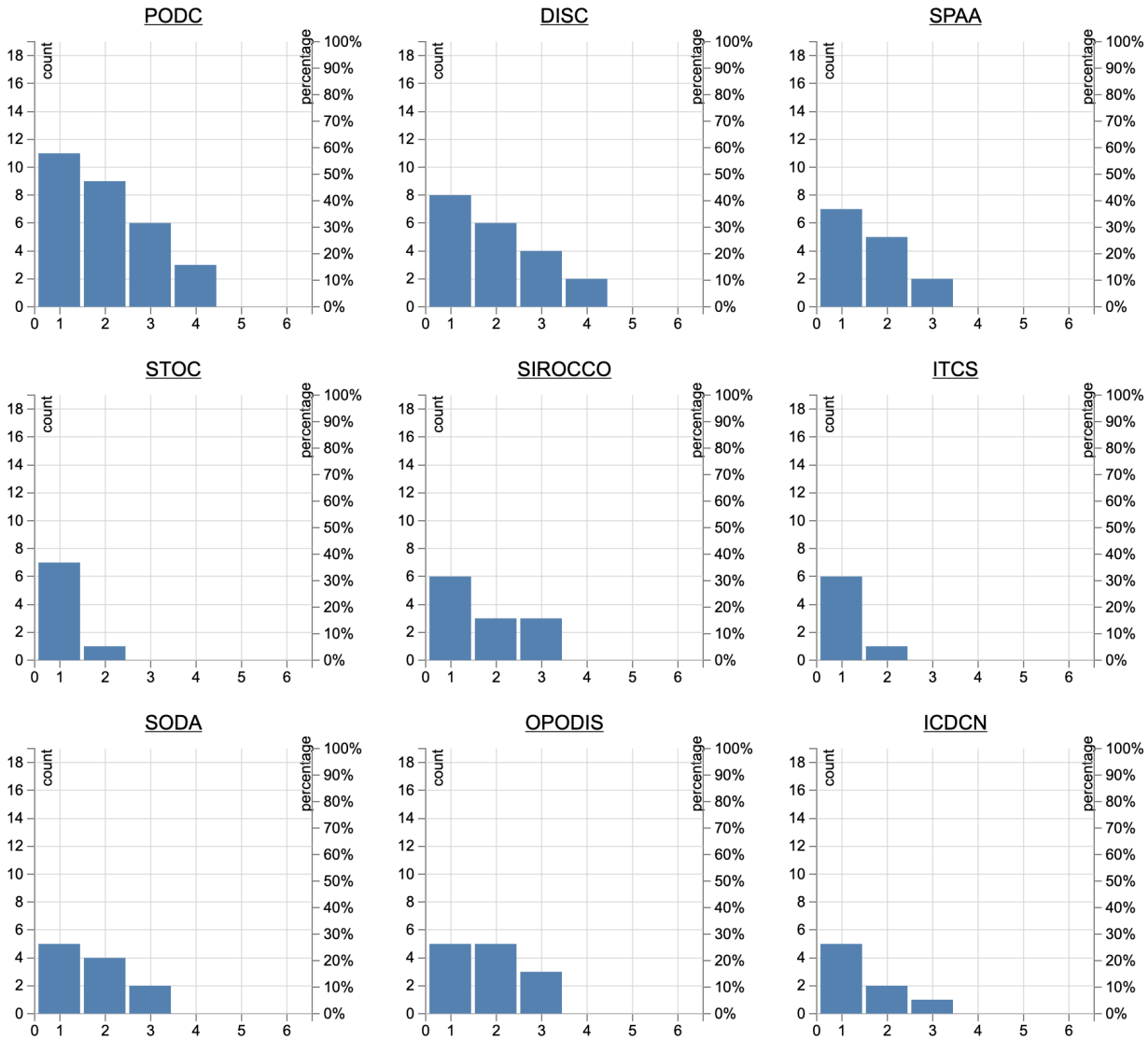
Other Information

Comparator Comparison

Comparator

International Symposium on Symbolic and Algebraic Computation

Explanation as to why conference is superior to comparator:
Just like DISC, ISSAC is a theoretical computer science conference that focuses on a particular sub-area, namely symbolic computation (instead of theoretical distributed computing in the case of DISC). The number of full paper submissions to DISC in the last 3 years ranged from 145 to 161, and the number of accepted full papers from 34 to 39, resulting in acceptance rates of 23-24%. In contrast, ISSAC's number of full papers submissions ranged from 92 to 117 in the last three years and the number of accepted papers ranged from 44 to 48, resulting in acceptance rates of 47-48%. Hence DISC not only attracts more top quality submissions in its sub-area but is also a lot more selective than ISSAC (DISC's acceptance rates are roughly half of those of ISSAC). The higher number of submissions to DISC also reflects the high relevance of theoretical distributed computing, which is at the heart of todays's fully decentralized and distributed systems.
DISC's h5-index is 23, which is significantly higher than the h5-index of 17 for ISSAC, in spite of the fact that DISC accepts significantly less papers than ISSAC each year (the number of accepted papers at ISSAC is about 40-43% higher than the number of accepted paper at DISC, noting that a larger number of accepted papers can only increase the h5-index of a conference). Both ISSAC and DISC are not listed on the top 20 in CS Theory by h5-index list; however, DISC's h5-index at 23 and h5-median at 31 are just a couple points lower

than number 20 on that list, where most (namely 14 out of 20) of the entries are journals, which publish a whole lot more papers per year than DISC.

DISC brings together a large number of colocated workshops that span many areas connected to theoretical distributed computing (see more specific information on the DISC workshops below). To our knowledge, ISSAC does not play a similar role as a hub that connects many different research communities; based on the ISSAC web pages, their 2019 and 2020 editions apparently did not have any colocated workshops.

Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1387_602.pdf`

Comparator

IEEE Symposium on Logic in Computer Science

Explanation as to why conference is superior to comparator:
Just like DISC, LICS is a theoretical computer science conference that focuses on a particular sub-area, namely logic (instead of theoretical distributed computing in the case of DISC). The number of full paper submissions to DISC in the last 3 years ranged from 145 to 161, and the number of accepted full papers from 34 to 39, resulting in acceptance rates of 23-24%. In contrast, LICS's number of full papers submissions ranged from 154 to 224 in the last three years and the number of accepted papers ranged from 60 to 92, keeping an acceptance rate of 39-42%. While LICS attracted on average about 27% more submissions than DISC over the past three years, DISC has been a lot more selective in accepting papers: DISC's acceptance rates are roughly 41-43% lower than those of LICS. The higher number of submissions to DISC also reflects the high relevance of theoretical distributed computing, which is at the heart of todays's fully decentralized and distributed systems.

DISC's h5-index is 23, which is lower than LICS (LICS' h5-index is 31), but note that LICS accepts close to twice or more papers than DISC each year (a larger number of accepted papers can only increase the h5-index of a conference) but that DISC's h5-index is only 26% lower than LICS' h5-index. Moreover, DISC's h5-index at 23 and h5-median at 31 are just a couple points lower than number 20 on the top 20 in CS Theory by h5-index list, where most (namely 14 out of 20) of the entries are journals, which publish a whole lot more papers per year than DISC.

DISC brings together a large number of colocated workshops that span many areas connected to theoretical distributed computing (see more specific information on the DISC workshops below). To our knowledge, LICS does not play a similar role as a hub that connects many different research communities.

Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1387_617.pdf`

Comparator

Real Time Systems Symposium

Explanation as to why conference is superior to comparator:
Like DISC, RTSS is listed under FoR 4606 and is a distributed systems conference that focuses on the hardware aspects of such systems(instead of theoretical aspects of such systems in the case of DISC). The number of full paper submissions to DISC in the last 3 years ranged from 145 to 161, and the number of accepted full papers from 34 to 39, resulting in acceptance rates of 23-24%. RTSS's number of full papers submissions ranged from 131 to 166 in the last three years and the number of accepted papers ranged from 33 to 39, resulting in acceptance rates of 22-25%. Hence RTSS' publications and acceptance rate numbers are very similar to those of DISC.

DISC's h5-index is 23, which is higher than the h5-index of 21 for ISSAC, in spite of the fact that DISC is a theoretical conference which historically have lower number of citations than systems conferences. Both RTSS and DISC are not listed on the top 20 in their respective categories' h5-index lists.

DISC brings together a large number of colocated workshops that span many areas connected to theoretical distributed computing (see more specific information on the DISC workshops below). To our knowledge, RTSS does not play a similar role as a hub that connects many different research communities; based on the RTSS web pages, their 2019 and 2020 editions apparently did not have any colocated workshops.

Link to comparator report:
`http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1387_910.pdf`

Other Relvant Info

Other relevant information: IMPORTANT: We would like to note that DISC is only listed at CORE under Field of Research 4606 – Distributed Computing and Systems Software, which spans all of the more applied areas in distributed computing, networking and systems. DISC is a theoretical CS conference (in distributed computing) and hence we would like to request that it also be listed under Field of Research 4613 – Theory of Computation, reflecting the correct subarea that DISC represents, Theoretical Distributed Computing.
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DISC is a conference in Theoretical Distributed Computing. Theoretical Distributed Computing is its own research area, intersecting with both general CS Theory and distributed systems, but not a subarea of either of those: There are plenty of research topics that are covered by Theoretical Distributed Computing conferences that would not be covered by STOC/FOCS/SODA and other general CS Theory conferences nor by networking/distributed systems conferences, but which are very relevant theoretical areas with direct application to current distributed systems (e.g., theoretical underpinnings of blockchain, consensus, and low-level concurrency). To further understand how theoretical distributed computing is not a direct subset of CS Theory, note that the acceptance rates of DISC are in fact lower than

the acceptance rates of the top general CS Theory conferences: SODA has an average acceptance rate of 30%, FOCS of 27.6% and STOC of 26.3%, according to lamsade.dauphine.fr/˜sikora/ratio/confs.php – these three conferences are all rated A* by CORE.
DISC and PODC (PODC is an A*-ranked conference at CORE) are the top two conferences in theoretical distributed computing. The theoretical distributed computing community opted to have two smaller, single-session top flagship conferences spread throughout the year, with support both from the US and from Europe through ACM and EATCS respectively, rather than having just one flagship multiple-session conference. DISC and PODC have very similar number of submissions and acceptance rates (see pdf file attachment), and the same set of outstandingly qualified "top people" in theoretical distributed computing publish in both conferences regularly: In addition to the information in Sections B, C and D of the CORE application, the attached file contains additional data produced with the WPP tool that shows the similarity of the pattern of publications in DISC and PODC for a broader set of 36 top scholars who publish in theoretical distributed computing, ranging from the younger to the more established researchers. Moreover, the top award for Theoretical Distributed Computing, the Dijkstra Prize, and the Distributed Computing Dissertation award, which awards the top PhD thesis in theoretical distributed computing in a given year, are both jointly awarded by DISC and PODC and are delivered in alternate years at each of the two conferences.
DISC brings together a large number of colocated workshops that span many areas connected to theoretical distributed computing. In 2019 we had as many as 8 workshops colocated with DISC, with diverse topics including e.g. biological computation, hardware design, formal methods, and programming languages, all studied from the perspective of distributed systems. In 2020, even though the conference was held online, we still had 4 colocated workshops, and all of them were very popular, with 100+ registered participants; a highlight was the CELLS workshop, which brought a large number of participants also from outside the traditional computer science community. Hence DISC (as well as PODC) serve as a hub that connects many different research communities with ties to theoretical distributed computing.
In the attached pdf file, you will find additional supporting information to this application, such as a graph with DISC and PODC's submission and acceptance rates for the last several years, a list of top researchers who regularly publish at DISC, with their affiliations, a report by the DISC 2018 PC chair that documents and illustrates the rigorous review process that papers submitted to DISC go through, and the additional data obtained with the WPP tool on the pattern of publication of 36 top researchers in distributed computing.

Attachments

http://portal.core.edu.au/core/media/request_attachment/core-disc-report-complete_em73OAO.pdf

Proposers

First name: Andrea
Last name: Richa
Affiliation: Arizona State University
Email: aricha@asu.edu

Submitted By

Name: Richa Andrea
Email: aricha@asu.edu