



**Submission Data for 2020-2021 CORE conference Ranking process
International Symposium on Mathematical Foundations of Computer Science**

Antonin Ku?era, Damian Niwinski, Juraj Hromkovic, Jiri Sgall, Jerzy Marcinkowski, Branislav Rován

Conference Details

Conference

Title: International Symposium on Mathematical Foundations of Computer Science

Acronym : MFCS

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=16158>

Further details: MFCS proceedings are published in LIPICS (Leibnitz International Proceedings in Informatics) series by Schloss Dagstuhl Leibniz Center for Informatics (LCI). The proceedings contain only full main track papers.

Most Recent Years

Most Recent Year

Year: 2019

URL: <https://tcs.rwth-aachen.de/mfcs2019/>

Location: Aachen, Germany

Papers submitted: 198

Papers published: 78

Acceptance rate: 39

Source for numbers: <https://drops.dagstuhl.de/opus/portals/lipics/index.php?semnr=16119>

General Chairs

Name: Peter Rossmannith Affiliation: RWTH Aachen Gender: M H Index: 19 (WoS) GScholar url: DBLP url: https://dblp.org/pid/r/PeterRossmannith.html

Program Chairs

Name: Joost-Pieter Katoen Affiliation: RWTH Aachen Gender: M H Index: 66 (GScholar) GScholar url: https://scholar.google.com/citations?user=yjj05_oAAAAJ&hl=en DBLP url: https://dblp.org/pid/k/JoostPieterKatoen.html
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Name: Pinar Heggernes Affiliation: Universitetet i Bergen, Norway Gender: F H Index: 29 (GScholar) GScholar url: https://scholar.google.com/citations?hl=en&user=i_K3yrkAAAAJ DBLP url: https://dblp.org/pid/96/4012.html

Second Most Recent Year

Year: 2018

URL: <http://mfcs2018.csc.liv.ac.uk/>

Location: Liverpool, UK

Papers submitted: 185

Papers published: 84

Acceptance rate: 45

Source for numbers: <https://drops.dagstuhl.de/opus/portals/lipics/index.php?semnr=16085>

General Chairs

Name: Igor Potapov Affiliation: University of Liverpool, UK Gender: M H Index: 16 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=zdGjSYAAAAAJ DBLP url: https://dblp.org/pid/p/IgorPotapov.html

Program Chairs

Name: Paul Spirakis Affiliation: University of Liverpool Gender: M H Index: 47 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?user=vnSMoW4AAAAAJ&hl=cs&oi=ao DBLP url: https://dblp.org/pid/s/PaulGSpirakis.html
Name: James Worrell Affiliation: University of Oxford Gender: M H Index: 38 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=oFZmioAAAAAJ DBLP url: https://dblp.org/pid/90/2367.html

Third Most Recent Year

Year: 2017

URL: <http://mfcs2017.cs.aau.dk/>

Location: Aalborg, Denmark

Papers submitted: 192

Papers published: 80

Acceptance rate: 42

Source for numbers: <https://drops.dagstuhl.de/opus/portals/lipics/index.php?semnr=16053>

General Chairs

Name: Kim Larsen Affiliation: Aalborg University, Denmark Gender: M H Index: 82 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=neDFD60AAAAAJ DBLP url: https://dblp.org/pid/1/KimGuldstrandLarsen.html

Program Chairs

Name: Kim Larsen Affiliation: Aalborg University, Denmark Gender: M H Index: 82 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=neDFD60AAAAJ DBLP url: https://dblp.org/pid/l/KimGuldstrandLarsen.html
Name: Hans L. Bodlaender Affiliation: Eindhoven University of Technology, The Netherlands Gender: M H Index: 66 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=CcqZZqMAAAAJ DBLP url: https://dblp.org/pid/b/HLBodlaender.html
Name: Jean-François Raskin Affiliation: Universite Libre de Bruxelles, Belgium Gender: M H Index: 49 (Gscholar) Gscholar url: https://scholar.google.co.uk/citations?hl=cs&user=KV9-Sm4AAAAJ DBLP url: https://dblp.org/pid/05/4174.html

Policies

Chair Selection: The MFCS Steering Committee evaluates the bids submitted by the main responsible persons interested in organizing future MFCS symposia. The bid includes the proposed date, the venue, provisional budget, preliminary list of affiliated workshops, and the names of PC (co)chairs.

Since MFCS covers the whole spectrum of theoretical computer science, at least two recognized researchers must be willing to serve as PC co-chairs, one with "track A" and the other with "track B" background. When the bid is approved, the main responsible person (the proposer) becomes the general conference chair. In principle, the main responsible person can also serve as PC chair, but he/she is always assisted by the two co-chairs. The exact setup must be agreed in advance with the MFCS Steering Committee.

When selecting the general conference chair, the MFCS SC evaluates the organizational skills and experience of the person, who is expected to be a leading member of a recognized research group. When evaluating PC co-chairs, the main evaluation criteria are their scientific quality and overall reputation. The cochairs are required to come from different institutions and ideally from different countries.

Policy name: EATCS anti-discrimination statement

Policy url: <https://eatcs.org/index.php/anti-discrimination-statement>

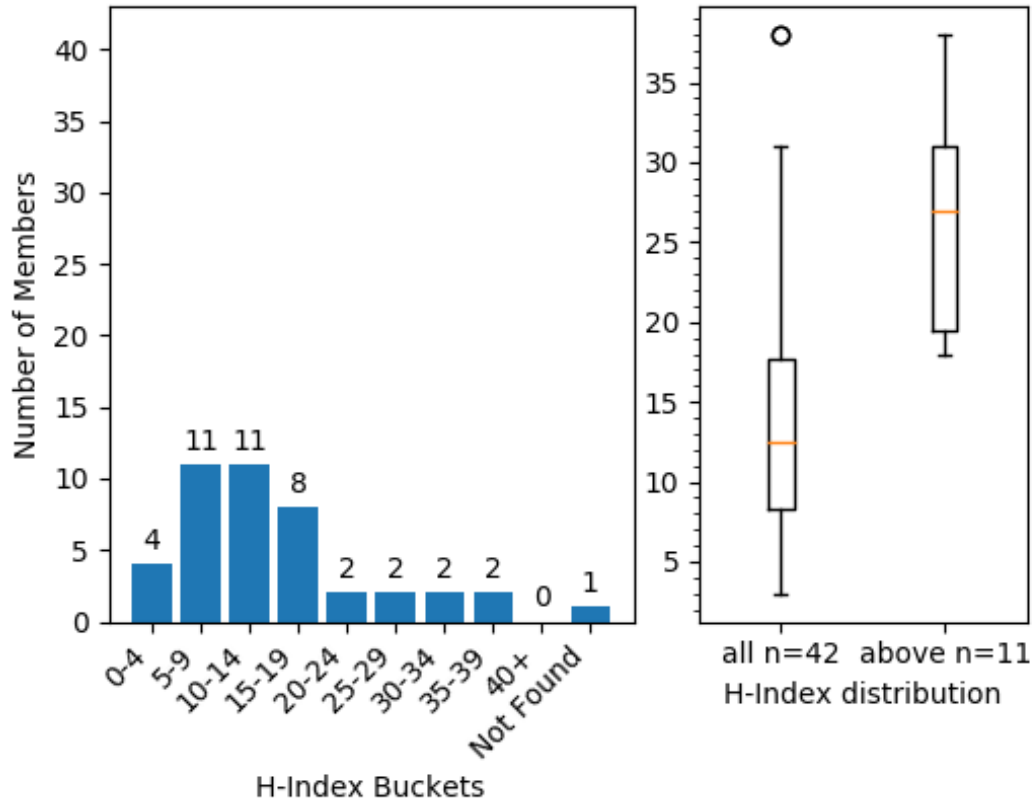
(Senior) Program Committee

Link to (s)pc: <http://mfcs.mff.cuni.cz/2020/pc>

File: http://portal.core.edu.au/core/media/conf_submissions_spc_file/pc_BtI8NZH.txt

H-index plot: http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1339.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/higherrank1339_gscholar_minh5.png

Categories > Engineering & Computer Science > Theoretical Computer Science ▾

	Publication	h5-index	h5-median
1.	ACM Symposium on Theory of Computing	63	85
2.	IEEE Symposium on Foundations of Computer Science (FOCS)	54	78
3.	ACM SIAM Symposium on Discrete Algorithms	49	65
4.	SIAM Journal on Computing	45	69
5.	Journal of the ACM (JACM)	38	57
6.	Theoretical Computer Science	37	52
7.	International Colloquium on Automata, Languages and Programming (ICALP)	32	42
8.	Conference on Innovations in Theoretical Computer Science	31	45
9.	Journal of Computer and System Sciences	31	44
10.	IEEE Symposium on Logic in Computer Science	31	40
11.	ACM Transactions on Algorithms (TALG)	28	37
12.	Algorithmica	28	35
13.	Fundamenta Informaticae	27	41
14.	Logical Methods in Computer Science	27	36
15.	Journal of Automated Reasoning	26	43
16.	Information Processing Letters	26	35
17.	Information and Computation	26	34
18.	Random Structures & Algorithms	26	34
19.	European Symposium on Algorithms	26	33
20.	Journal of Logic and Computation	25	33

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

h5-index for this conference: 18

ACM Metrics

Not Sponsored by ACM

Aminer Rank

Aminer rank: 370

Aminer name: Mathematical Foundations of Computer Science

Acronym / shortname: MFCS

h-5 index: 19

CCF level:

THU level:

Top Aminer Cites: http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1339_aminer_top_cite.png

Publications

Top Cited Authors Affiliations

Browse by Citation

1	Improved bounds for reduction to depth 4 and depth 3 Tavenas Sébastien (2015)	Cited by 112
2	Pancake flipping is hard Laurent Bouteau, Guillaume Fertin, Irena Rusu (2015)	Cited by 72
3	Traveling Salesman Problems in Temporal Graphs Otho Michail, Paul G. Spirakis (2016)	Cited by 58
4	Densest Subgraph in Dynamic Graph Streams Andrew McGregor, David Tench, Sofya Vorontikova, Hoa T. Vu (2015)	Cited by 52
5	On the Hardness of Almost-Sure Termination Benjamin Lucien Kaminski, Joost-Pieter Katoen (2015)	Cited by 34
6	Fully dynamic data structure for LCE queries in compressed space Takaaki Nishimoto, Tomohiro I. Shunsuke Inenaga, Hideo Banaai, Masayuki Takeda (2016)	Cited by 33
7	The Power of Linear-Time Data Reduction for Maximum Matching George B. Mertzios, André Nichterlein, Rolf Niedermeier (2017)	Cited by 32
8	Paradigms for Parameterized Enumeration Nadia Creignou, Arne Meier, Julian-Steffen Müller, Johannes Schmidt, Heribert Vollmer (2017)	Cited by 32
9	Sitting Closer to Friends than Enemies, Revisited Marek Cygan, Marcin Pilipczuk, Michał Pilipczuk, Jakub Omfry Wojtaszczyk (2015)	Cited by 32
10	Zero Knowledge and Circuit Minimization Eric Allender, Bireswar Das (2017)	Cited by 32

Other Rankings

Not aware of any other Rankings

Conferences in area: 1) FOCS, STOC, SODA, LICS 2) ICALP 3) STACS, ESA, MFCS 4) ISAAC, FCT, FST&TCS

Top People Publishing Here

name: Paul Spirakis

justification: EATCS Fellow H-index 47 <https://scholar.google.co.uk/citations?hl=cs&user=vnSMoW4AAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Fedor Fomin

justification: ERC AdG winner H-index 56 <https://scholar.google.co.uk/citations?user=96ZXv0sAAAAJ&hl=cs&oi=ao>

Paper counts:

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

Attendance: OCCASIONALLY

name: Orna Kupferman

justification: Elected to the Academia Europaea in 2016. ERC grant winner. H-index 50.

<https://scholar.google.co.uk/citations?hl=cs&user=5o111aIAAAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Krishnendu Chatterjee

justification: ERC grant winner H-index 51 <https://scholar.google.co.uk/citations?hl=cs&user=1kaW8bwAAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Daniel Paulusma

justification: Glover-Klingman Prize h-index 30 <https://scholar.google.co.uk/citations?hl=cs&user=y1osNKIAAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Eric Allender

justification: Fulbright Research Fellow Fellow of the ACM ACM Distinguished Scientist h-index 38

<https://scholar.google.co.uk/citations?hl=cs&user=dQwv9e4AAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Saket Saurabh

justification: h-index 47 https://scholar.google.co.uk/citations?hl=cs&user=76_9TIOAAAAJ

Paper counts:

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

Attendance: OCCASIONALLY

name: Martin Grohe

justification: Heinz Maier-ÅLeibnitz Prize ACM Fellow h-index 49

<https://scholar.google.co.uk/citations?hl=cs&user=Sou5ih0AAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Patricia Bouyer

justification: ERC starting grant h-index 42 <https://scholar.google.co.uk/citations?hl=cs&user=sgK0-H4AAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

name: Michał Pilipczuk

justification: ERC starting grant h-index 30 <https://scholar.google.co.uk/citations?hl=cs&user=RPD8Up0AAAAJ>

Paper counts:

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

Attendance: OCCASIONALLY

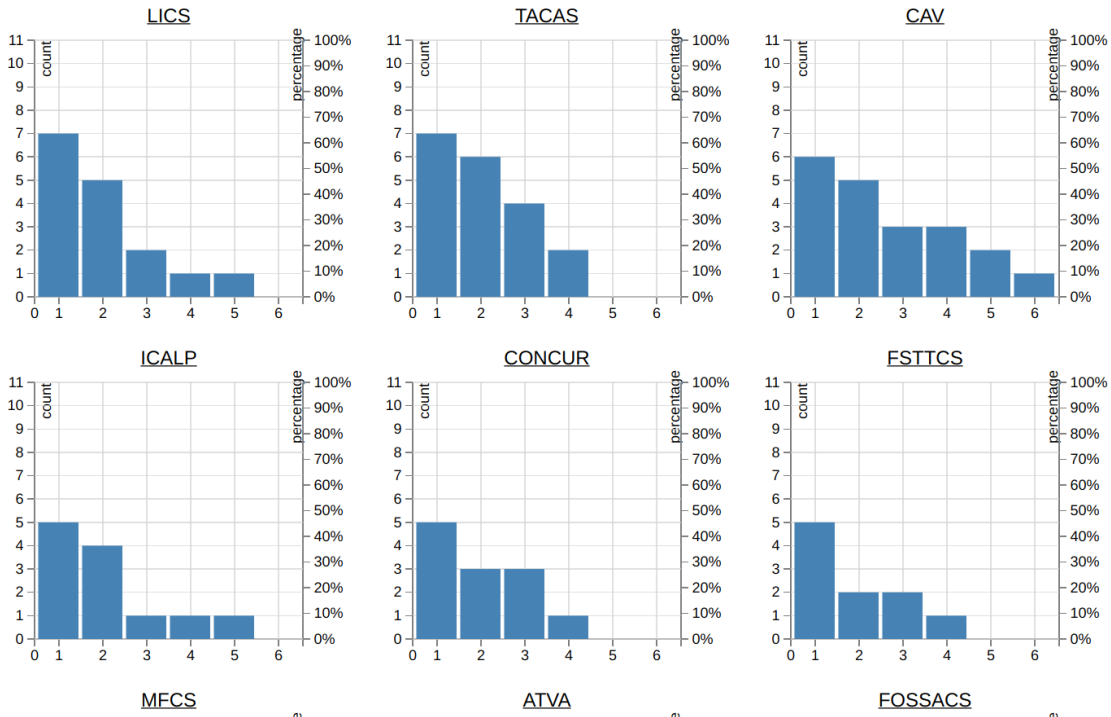
Where People Publish

Top (Senior) Program Committee Members

Generated Report Name: conf_submissions_top_spc/higherrank1339_top_spc.csv

WPP Report: http://portal.core.edu.au/core/media/conf_rank_report/higherrank1339_spc_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1339_spc_graph.png



Reference item: \ 7. International Symposium on Mathematical Foundations of Computer Science (MFCS)

 This conference was published at 10 times by 5 of 11 experts in the last 5 years.

The experts that publish at this conference are: Mohamed Faouzi Atig(1), Fedor V. Fomin(2), Daniel Krl'(1), Christel Baier(1), Krishnendu Chatterjee(5)

In 2015, there were 2 publications by 2 experts: Fedor V. Fomin, Christel Baier

In 2016, there were 2 publications by 1 experts: Krishnendu Chatterjee

In 2017, there were 5 publications by 3 experts: Mohamed Faouzi Atig, Fedor V. Fomin, Krishnendu Chatterjee

In 2018, there were 1 publications by 1 experts: Daniel Krl'

5 out of the 11 experts published at this conference in 1 or more years

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

Top People Report

Method of selection: 20 people from ICALP 2020 PC. We selected 10 people out of each track in alphabetical order, deleting all people without a Google profile or appearing in the list of top people publishing at MFCS reported in the previous section. Hence, the list contains a mixture of senior people and "young stars".

Keyword: ICALP 2020 PC

name	h-index	gscholar url
Artur Czumaj	35	https://scholar.google.com/citations?user=QKgg5j4AAAAJ&hl=en
Andris Ambainis	45	https://scholar.google.com/citations?hl=en&user=WyObQrwAAAAJ
Sepehr Assadi	17	https://scholar.google.com/citations?hl=en&user=QSVAzVIAAAAAJ
Andrej Bogdanov	35	https://scholar.google.com/citations?hl=en&user=hWVZ1ZYAAAAJ
Sebastian Brandt	25	https://scholar.google.com/citations?hl=en&user=gw6b3KgAAAAJ
Vladimir Braverman	23	https://scholar.google.com/citations?hl=en&user=DTthB48AAAAJ
Keren Censor-Hillel	22	https://scholar.google.com/citations?hl=en&user=HdOuw1QAAAAJ
Flavio Chierichetti	23	https://scholar.google.com/citations?hl=en&user=MGXRuXYAAAAJ
Holger Dell	13	https://scholar.google.com/citations?hl=en&user=zcZS24MAAAAAJ
Jelena Diakonikolas	13	https://scholar.google.com/citations?hl=en&user=J8ixfu8AAAAJ
Matthias Englert	14	https://scholar.google.com/citations?hl=en&user=vcrgHDoAAAAJ
Martin Hoefer	24	https://scholar.google.com/citations?hl=en&user=PBCXFY8AAAAJ
Luca Aceto	30	https://scholar.google.com/citations?hl=en&user=UVWAdjsAAAAJ
Manuel Bodirsky	31	https://scholar.google.com/citations?hl=en&user=Sd3LDB4AAAAJ
Supratik Chakraborty	22	https://scholar.google.com/citations?hl=en&user=LwG4hd8AAAAJ
Anuj Dawar	31	https://scholar.google.com/citations?hl=en&user=xdOimF8AAAAJ
Kousha Etessami	35	https://scholar.google.com/citations?hl=en&user=_rUcw0EAAAAJ
Mai Gehrke	25	https://scholar.google.com/citations?hl=en&user=mWshjy8AAAAJ
Juha Kontinen	18	https://scholar.google.com/citations?hl=en&user=W60YbQEAAAAJ
Marta Kwiatkowska	66	https://scholar.google.com/citations?hl=en&user=Arch6PkAAAAJ

Reference item: \\ 10. International Symposium on Mathematical Foundations of Computer Science (MFCS)

This conference was published at 6 times by 4 of 19 experts in the last 5 years.

The experts that publish at this conference are: Manuel Bodirsky(1), Vladimir Braverman(1), Luca Aceto(1), Juha Kontinen(3)

In 2015, there were 3 publications by 3 experts: Vladimir Braverman, Luca Aceto, Juha Kontinen

In 2016, there were 1 publications by 1 experts: Juha Kontinen

In 2018, there were 1 publications by 1 experts: Manuel Bodirsky

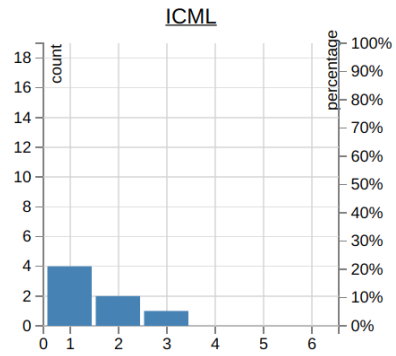
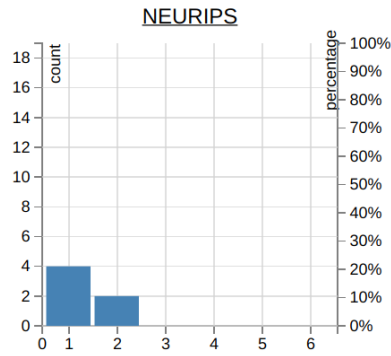
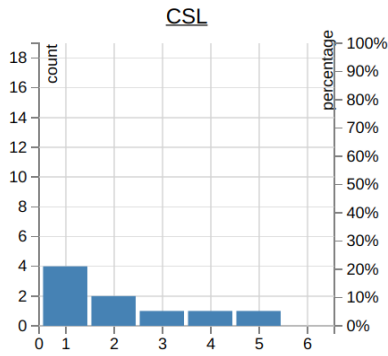
In 2019, there were 1 publications by 1 experts: Juha Kontinen

4 out of the 19 experts published at this conference in 1 or more years

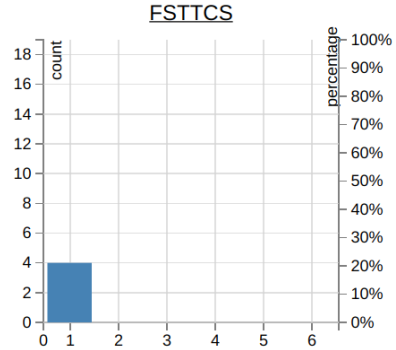
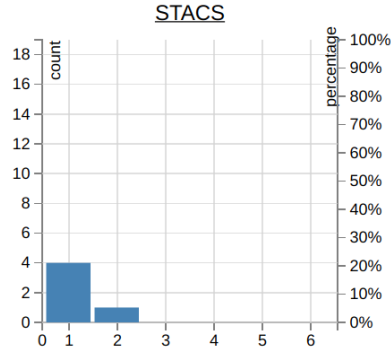
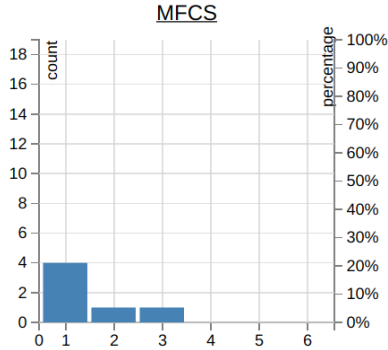
1 out of the 19 experts published at this conference in 3 or more years WPP Report:

http://portal.core.edu.au/core/media/conf_rank_report/higherrank1339_top_people_report.txt

Graphs: http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1339_top_people_graph.png



[Additional 110 graphs](#)



Other Information

Comparator Comparison

Comparator

International Symposium on Fundamentals of Computation Theory

Explanation as to why conference is superior to comparator:

Both MFCS and FCT cover the whole spectrum of theoretical computer science. MFCS receives around 200 submission every year while FCT around 100. The acceptance rate of MFCS is lower.

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1339_579.pdf

Comparator

International Conference on Automated Deduction

Explanation as to why conference is superior to comparator:

The scope of CADE is more specialized than the one of MFCS, but most of CADE papers can be submitted also to MFCS. MFCS receives more papers than CADE (~200 vs. ~70) and the acceptance rate of MFCS is lower (~40% vs. ~50%).

Link to comparator report:

http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1339_718.pdf

Other Relevant Info

Other relevant information: The MFCS symposia series was established in the year 1972. Originally, the conference was organized alternately in Poland and former Czechoslovakia. In the year 2010, the newly formed MFCS Steering Committee decided to change this rule and consider proposals from all countries. Since the year 2010, the number of MFCS submissions keeps increasing, the new record has been achieved in the year 2020 (242 full paper submissions).

Although the quality of MFCS submissions is very high, the MFCS SC decided to gradually decrease the acceptance rate towards 33-35% in the future MFCS symposia. This decision was taken in the year 2018, and it is implemented since the year 2019, when the acceptance rate was below 40%. The goal was achieved in the year 2020, when the acceptance rate reached 33% (82 out of 242 submitted papers were accepted to MFCS 2020).

Occasionally, MFCS was collocated with other TCS conferences. The last joint conference was held in the year 2010 (MFCS+CSL+workshops) and attended by more than 350 participants. It is likely that similar joint meetings will be organized again in the future.

Attachments

N/A

Proposers

First name: Antonin
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Submitted By

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