



**Submission Data for 2020-2021 CORE conference Ranking process  
International Symposium on Symbolic and Algebraic Computation**

Eric Schost

**Conference Details**

**Conference**

Title: International Symposium on Symbolic and Algebraic Computation  
Acronym : ISSAC  
Rank: A\*

**Requested Rank**

Rank: A\*

**Recent Years**

**Proceedings Publishing Style**

Proceedings Publishing: self-contained  
Link to most recent proceedings: <https://dl.acm.org/conference/issac/proceedings>  
Further details: The ACM has published ISSAC proceedings since 1989. They include full main track papers, invited papers (usually three) and the outline of tutorials given at the conference (usually three).

**Most Recent Years**

**Most Recent Year**

Year: 2019  
URL: <http://issac-conference.org/2019/>  
Location: Beijing, China  
Papers submitted: 72  
Papers published: 44  
Acceptance rate: 61  
Source for numbers: [https://polysys.lip6.fr/~safey/pc\\_report-issac17.pdf](https://polysys.lip6.fr/~safey/pc_report-issac17.pdf)

**General Chairs**

Name: James Davenport Affiliation: University of Bath, UK Gender: M H Index: 30 GScholar url: <a href="https://scholar.google.com/citations?user=bx0yjTUAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=bx0yjTUAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/28/1296.html">https://dblp.org/pid/28/1296.html</a>
Name: Dongming Wang Affiliation: Beihang University, China; Guangxi University for Nationalities, China; Centre National de la Recherche Scientifique, France Gender: M H Index: 27 GScholar url: <a href="https://scholar.google.ca/citations?user=tiqdGuMAAAAJ&amp;hl=en">https://scholar.google.ca/citations?user=tiqdGuMAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/66/5973.html">https://dblp.org/pid/66/5973.html</a>

**Program Chairs**

Name: Manuel Kauers  
Affiliation: Johannes Kepler University, Austria  
Gender: M  
H Index: 26  
G Scholar url: <https://scholar.google.com/citations?user=Dmpftj4AAAAJ&hl=en>  
DBLP url: <https://dblp.org/pid/k/ManuelKauers.html>

### Second Most Recent Year

Year: 2018  
URL: <http://issac-conference.org/2018/>  
Location: New York, USA  
Papers submitted: 75  
Papers published: 47  
Acceptance rate: 63  
Source for numbers: [https://cs.uwaterloo.ca/~eschost/pc\\_report-issac18.pdf](https://cs.uwaterloo.ca/~eschost/pc_report-issac18.pdf)

### General Chairs

Name: Manuel Kauers  
Affiliation: Johannes Kepler University, Austria  
Gender: M  
H Index: 26  
G Scholar url: <https://scholar.google.com/citations?user=Dmpftj4AAAAJ&hl=en>  
DBLP url: <https://dblp.org/pid/k/ManuelKauers.html>

Name: Alexey Ovchinnikov  
Affiliation: City University of New York, USA  
Gender: M  
H Index: 15  
G Scholar url: <https://scholar.google.com/citations?user=JmOotdkAAAAJ&hl=en>  
DBLP url: <https://scholar.google.com/citations?user=JmOotdkAAAAJ&hl=en>

### Program Chairs

Name: Eric Schost  
Affiliation: University of Waterloo, Canada  
Gender: M  
H Index: 32  
G Scholar url: <https://scholar.google.ca/citations?user=qWXMdWkAAAAJ&hl=en>  
DBLP url: <https://dblp.org/pid/07/1002.html>

### Third Most Recent Year

Year: 2017  
URL: <http://issac-conference.org/2017/>  
Location: Kaiserslautern, Germany  
Papers submitted: 77  
Papers published: 55  
Acceptance rate: 71  
Source for numbers: <http://www.algebra.uni-linz.ac.at/people/mkauers/issac19chair.pdf>

### General Chairs

Name: Chee Yap  
Affiliation: New York University, USA  
Gender: M  
H Index: 51  
G Scholar url: <https://scholar.google.com/citations?user=z06kmIAAAAAJ&hl=en>  
DBLP url: <https://dblp.org/pid/y/CheeKengYap.html>

### Program Chairs

Name: Mohab Safel El Din  
Affiliation: Sorbonne Universit s, France  
Gender: M  
H Index: 26  
G Scholar url:  
DBLP url: <https://dblp.org/pid/64/522.html>

## Policies

Chair Selection: The Steering Committee, in consultation with the Local Arrangements Chair, appoints a General Chair.

The General Chair of ISSAC, in consultation with the Steering Committee Chair, appoints one or two Program Committee Chair(s), the Publicity Chair, and a Treasurer, who must all be distinct persons.

Policy name: Policy Against Harassment at ACM Activities (applies to all ACM activities)

Policy url: <https://www.acm.org/special-interest-groups/volunteer-resources/officers-manual/policy-against-discrimination-and-harassment>

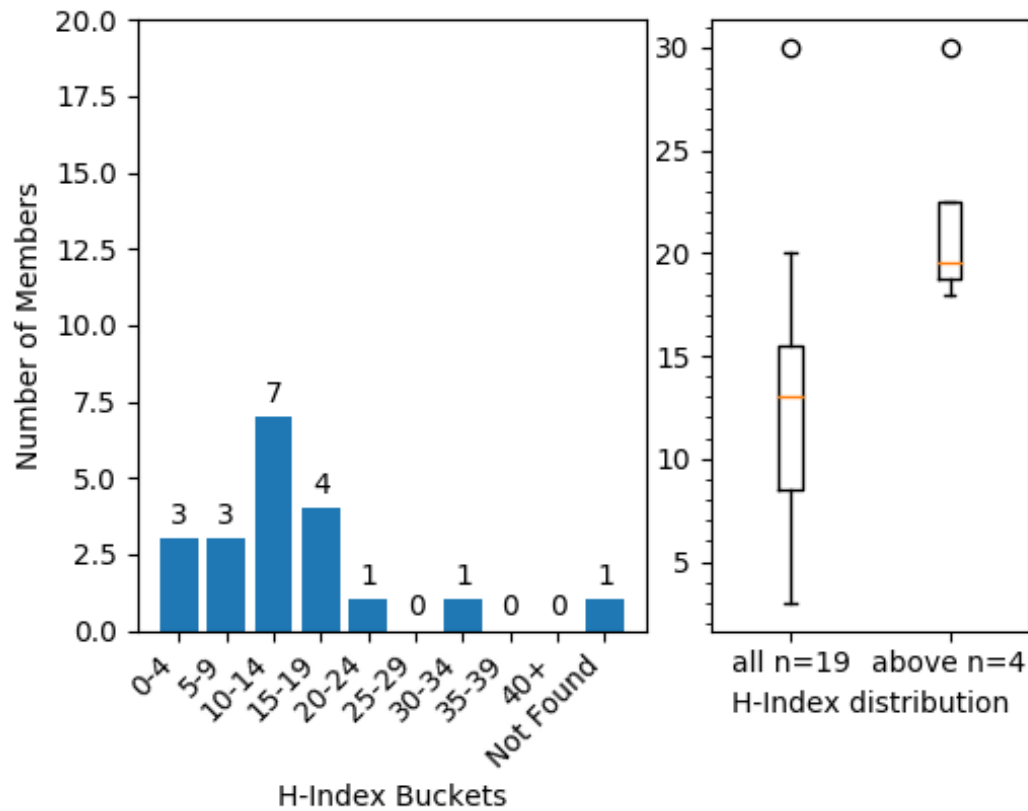
## (Senior) Program Committee

Link to (s)pc: <http://issac-conference.org/2019/committees.php>

File: [http://portal.core.edu.au/core/media/conf\\_submissions\\_spc\\_file/ISSAC\\_lZnzaRf.txt](http://portal.core.edu.au/core/media/conf_submissions_spc_file/ISSAC_lZnzaRf.txt)

H-index plot: [http://portal.core.edu.au/core/media/conf\\_submissions\\_hindex\\_plots/hindex\\_buckets\\_1174.png](http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1174.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](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/higherrank1174\\_gscholar\\_minh5.png](http://portal.core.edu.au/core/media/changes_h5/higherrank1174_gscholar_minh5.png)

Theoretical Compi x +

scholar.google.com.au/citations?view\_op=top\_venues&hl=en&vq=eng\_theoreticalcomputerscience

Categories > Engineering & Computer Science > **Theoretical Computer Science**

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

h5-index for this conference: 17

### ACM Metrics

Is an ACM sponsored conference: True

Providing ACM Stats: True

### ACM Statistics

Downloads in last 12 months: 28363

Average citations per article: 7

Average downloads per article: 183

### ACM Most frequently publishing

Name: Eric Schost Paper Count: 12 Google Scholar h-index: 32 Gscholar url: <a href="https://scholar.google.com/citations?user=qWXMdWkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=qWXMdWkAAAAJ&amp;hl=en</a>
Name: Elias Tsigaridas Paper Count: 11 Google Scholar h-index: 24 Gscholar url: <a href="https://scholar.google.com/citations?user=hgZrGpkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=hgZrGpkAAAAJ&amp;hl=en</a>
Name: Tristan Vaccon Paper Count: 10 Google Scholar h-index: 6 Gscholar url: <a href="https://scholar.google.com/citations?user=khGu6GAAAAAJ&amp;hl=ja">https://scholar.google.com/citations?user=khGu6GAAAAAJ&amp;hl=ja</a>
Name: Jean-Charles Faugere Paper Count: 9 Google Scholar h-index: 33 Gscholar url: <a href="https://www.semanticscholar.org/author/J.-Faug%C3%A8re/145238789">https://www.semanticscholar.org/author/J.-Faug%C3%A8re/145238789</a>
Name: Vincent Neiger Paper Count: 9 Google Scholar h-index: 9 Gscholar url: <a href="https://scholar.google.dk/citations?user=xqAYiDwAAAAJ&amp;hl=en">https://scholar.google.dk/citations?user=xqAYiDwAAAAJ&amp;hl=en</a>
Name: Mohab Safey El Din Paper Count: 7 Google Scholar h-index: 23 Gscholar url: <a href="https://www.semanticscholar.org/author/M.-S.-E.-Din/2550098">https://www.semanticscholar.org/author/M.-S.-E.-Din/2550098</a>
Name: Xavier Caruso Paper Count: 7 Google Scholar h-index: 11 Gscholar url: <a href="https://www.semanticscholar.org/author/X.-Caruso/1759792">https://www.semanticscholar.org/author/X.-Caruso/1759792</a>
Name: Clement Pernet Paper Count: 6 Google Scholar h-index: 16 Gscholar url: <a href="https://scholar.google.com/citations?user=ldovqf4AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=ldovqf4AAAAJ&amp;hl=en</a>
Name: Mark Giesbrecht Paper Count: 6 Google Scholar h-index: 21 Gscholar url: <a href="https://www.semanticscholar.org/author/M.-Giesbrecht/145614017">https://www.semanticscholar.org/author/M.-Giesbrecht/145614017</a>
Name: Jean-Guillaume Dumas Paper Count: 6 Google Scholar h-index: 20 Gscholar url: <a href="https://scholar.google.com/citations?user=MwdZ-KwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=MwdZ-KwAAAAJ&amp;hl=en</a>

### Aminer Rank

Not Listed in Aminer

### Other Rankings

Not aware of any other Rankings

Conferences in area:

### Top People Publishing Here

name: Erich Kaltofen

justification: ACM fellow, h-index 52 <https://scholar.google.ca/citations?user=irht4jgAAAAJ&hl=en>

Paper counts:

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

Attendance: ALWAYS

name: Victor Pan

justification: AMS fellow, h-index 53 [https://scholar.google.com/citations?user=9-i5\\_74AAAAAJ&hl=en](https://scholar.google.com/citations?user=9-i5_74AAAAAJ&hl=en)

Paper counts:

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

Attendance: OFTEN

name: Chee Yap

justification: Member, Academia Europaea h-index 51 <https://scholar.google.com/citations?user=z06kmIAAAAAAJ&hl=en>

Paper counts:

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

Attendance: ALWAYS

name: Joris van der Hoeven

justification: Invited speaker, International Congress of Mathematicians 2018 Karp Prize

[https://en.wikipedia.org/wiki/Joris\\_van\\_der\\_Hoeven](https://en.wikipedia.org/wiki/Joris_van_der_Hoeven)

Paper counts:

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

Attendance: OFTEN

name: Nitin Saxena

justification: Proved that Primes is in P, with his co-authors. [https://en.wikipedia.org/wiki/Nitin\\_Saxena](https://en.wikipedia.org/wiki/Nitin_Saxena)

Paper counts:

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

Attendance: OFTEN

name: Maurice Rojas

justification: AMS fellow <https://scholar.google.com/citations?user=gValByUAAAAJ&hl=en>

Paper counts:

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

Attendance: OFTEN

name: Josef Schicho

justification: Editor-in-chief, Journal of Symbolic Computation

Paper counts:

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

Attendance: SOMETIMES

name: Bernard Mourrain

justification: h-index 47 <https://scholar.google.com/citations?user=Yrd4IkoAAAAJ&hl=en>

Paper counts:

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

Attendance: OFTEN

name: Manuel Kauers

justification: AMS Robbins prize winner [https://en.wikipedia.org/wiki/Manuel\\_Kauers](https://en.wikipedia.org/wiki/Manuel_Kauers)

Paper counts:

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

Attendance: ALWAYS

name: Christoph Koutschan

justification: AMS Robbins prize winner [https://en.wikipedia.org/wiki/Christoph\\_Koutschan](https://en.wikipedia.org/wiki/Christoph_Koutschan)

Paper counts:

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

Attendance: SOMETIMES

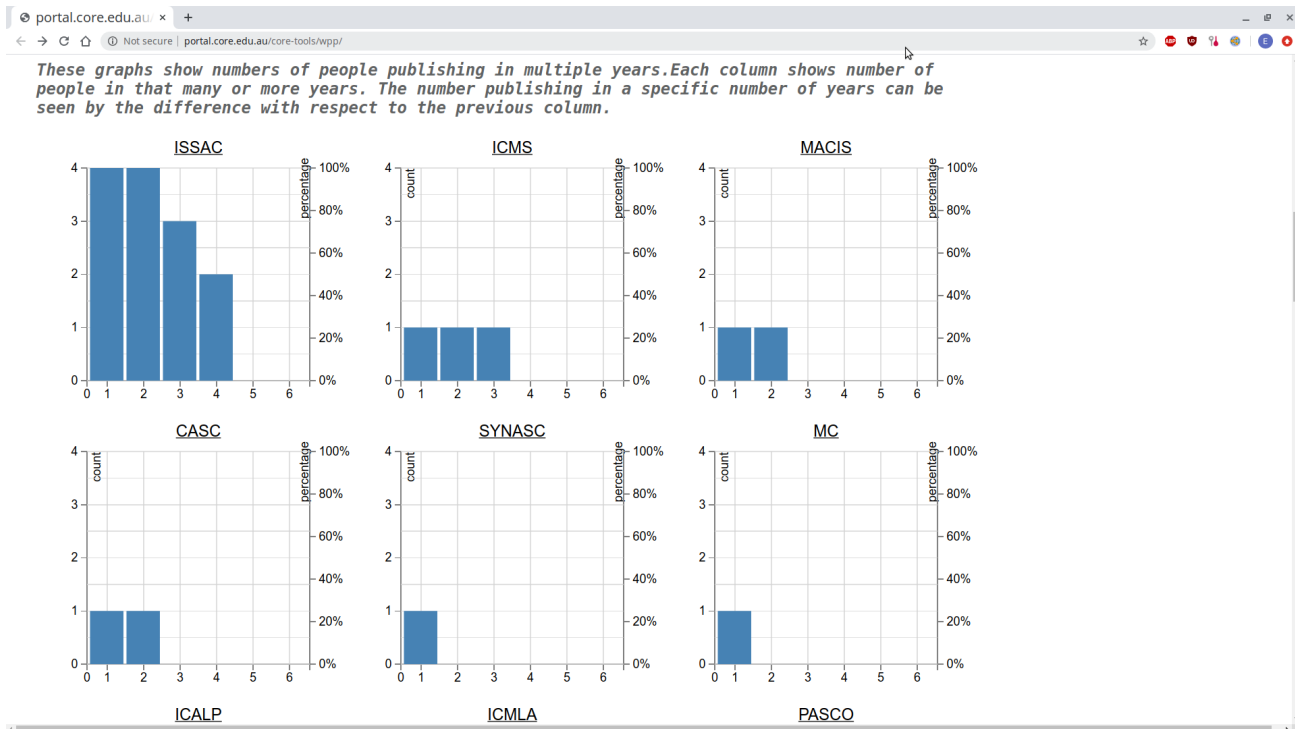
## Where People Publish

## Top (Senior) Program Committee Members

Generated Report Name: conf\_submissions\_top\_spc/higherrank1174\_top\_spc.csv

WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1174\\_spc\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1174_spc_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1174\\_spc\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1174_spc_graph.png)



Reference item: \\ 1. International Symposium on Symbolic and Algebraic Computation (ISSAC)

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 This conference was published at 24 times by 4 of 4 experts in the last 5 years.

The experts that publish at this conference are: ric Schost(12), Alin Bostan(6), Jonathan D. Hauenstein(2), Erich L. Kaltofen(6)

In 2015, there were 5 publications by 4 experts: ric Schost, Alin Bostan, Jonathan D. Hauenstein, Erich L. Kaltofen

In 2016, there were 8 publications by 4 experts: Alin Bostan, ric Schost, Erich L. Kaltofen, Jonathan D. Hauenstein

In 2017, there were 5 publications by 2 experts: ric Schost, Erich L. Kaltofen

In 2018, there were 2 publications by 2 experts: Alin Bostan, Erich L. Kaltofen

In 2019, there were 4 publications by 1 experts: ric Schost

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

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

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

### Top People Report

Method of selection: Search for "label:symbolic\_computation—label:algebraic\_computing—label:exact\_computation—label:computer\_algebra—label:computational\_algebra—label:eff" in google scholar. Removed Changbo Chen, since his profile page reports a quantity of papers by another author with the same name.

	name	h-index	gscholar url
	Kurt Mehlhorn	75	<a href="https://scholar.google.ca/citations?hl=en&amp;user=28CWXPAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=28CWXPAAAAJ</a>
	Wolfgang Maass	69	<a href="https://scholar.google.ca/citations?hl=en&amp;user=2WpvdHOAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=2WpvdHOAAAAJ</a>
	Pablo A. Parrilo	57	<a href="https://scholar.google.ca/citations?hl=en&amp;user=s_IPfEYAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=s_IPfEYAAAAJ</a>
	Jehoshua Bruck	73	<a href="https://scholar.google.ca/citations?hl=en&amp;user=HgaNy9kAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=HgaNy9kAAAAJ</a>
	Gaston H. Gonnet	50	<a href="https://scholar.google.ca/citations?hl=en&amp;user=ADbRzOUAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=ADbRzOUAAAAJ</a>
	Jean B. Lasserre	53	<a href="https://scholar.google.ca/citations?hl=en&amp;user=Mh8pC5sAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=Mh8pC5sAAAAJ</a>
	Michael Todd	54	<a href="https://scholar.google.ca/citations?hl=en&amp;user=7yG8mNQAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=7yG8mNQAAAAJ</a>
	Alexander Vardy	57	<a href="https://scholar.google.ca/citations?hl=en&amp;user=Wta1CkkAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=Wta1CkkAAAAJ</a>
	Victor Y. Pan	53	<a href="https://scholar.google.ca/citations?hl=en&amp;user=9-i5_74AAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=9-i5_74AAAAJ</a>
Keyword:	Mario J. PÃlrez-JimÃhez	53	<a href="https://scholar.google.ca/citations?hl=en&amp;user=AeT6qVEAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=AeT6qVEAAAAJ</a>
	Chee Yap	51	<a href="https://scholar.google.ca/citations?hl=en&amp;user=z06kmIAAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=z06kmIAAAAAJ</a>
	Venkatesan Guruswami	52	<a href="https://scholar.google.ca/citations?hl=en&amp;user=Es6jE1kAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=Es6jE1kAAAAJ</a>
	Andrew Sommese	50	<a href="https://scholar.google.ca/citations?hl=en&amp;user=E7RKRBYAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=E7RKRBYAAAAJ</a>
	Deepak Kapur	54	<a href="https://scholar.google.ca/citations?hl=en&amp;user=U6XKBVIAAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=U6XKBVIAAAAAJ</a>
	J. Chris Eilbeck	45	<a href="https://scholar.google.ca/citations?hl=en&amp;user=X9o2nrsAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=X9o2nrsAAAAJ</a>
	Charles Wampler	48	<a href="https://scholar.google.ca/citations?hl=en&amp;user=Bj50SwwAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=Bj50SwwAAAAJ</a>
	Erich Kaltofen	52	<a href="https://scholar.google.ca/citations?hl=en&amp;user=irht4jgAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=irht4jgAAAAJ</a>
	Lane A. Hemaspaandra	45	<a href="https://scholar.google.ca/citations?hl=en&amp;user=LsUHeoAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=LsUHeoAAAAJ</a>
	Bernard Mourrain	47	<a href="https://scholar.google.ca/citations?hl=en&amp;user=Yrd4IkoAAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=Yrd4IkoAAAAJ</a>
	Rocco Anthony Servedio	46	<a href="https://scholar.google.ca/citations?hl=en&amp;user=vZrIrN4AAAAJ">https://scholar.google.ca/citations?hl=en&amp;user=vZrIrN4AAAAJ</a>

Reference item: \ 1. International Symposium on Symbolic and Algebraic Computation (ISSAC)

-----  
This conference was published at 17 times by 6 of 18 experts in the last 5 years.

The experts that publish at this conference are: Erich Kaltofen(6), Deepak Kapur(3), Andrew J. Sommese(1), Jean B. Lasserre(1), Chee Yap(4), Bernard Mourrain(2)

In 2015, there were 3 publications by 3 experts: Bernard Mourrain, Erich Kaltofen, Deepak Kapur

In 2016, there were 3 publications by 2 experts: Erich Kaltofen, Chee Yap

In 2017, there were 4 publications by 3 experts: Erich Kaltofen, Bernard Mourrain, Deepak Kapur

In 2018, there were 4 publications by 4 experts: Andrew J. Sommese, Erich Kaltofen, Deepak Kapur, Chee Yap

In 2019, there were 3 publications by 2 experts: Chee Yap, Jean B. Lasserre

6 out of the 18 experts published at this conference in 1 or more years

4 out of the 18 experts published at this conference in 2 or more years

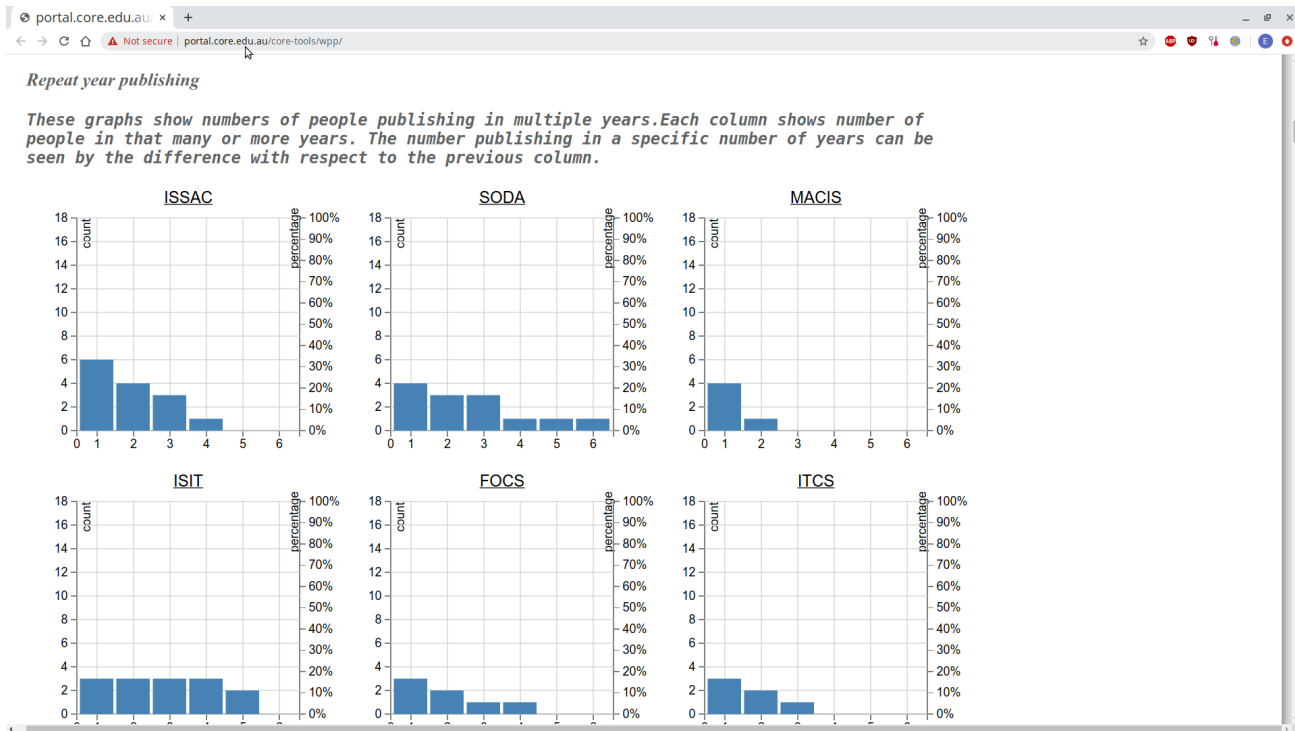
3 out of the 18 experts published at this conference in 3 or more years

1 out of the 18 experts published at this conference in 4 or more years

WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1174\\_top\\_people\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1174_top_people_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1174\\_top\\_people\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1174_top_people_graph.png)





## Other Information

### Comparator Comparison

#### Comparator

IEEE Symposium on Logic in Computer Science

Explanation as to why conference is superior to comparator:

I did not identify an A\* conference in the same area as ISSAC and that I would consider inferior. The topics of other A\* conferences are usually very far from those at ISSAC.

LICS has a small overlap in scope, and a few authors have published in both conferences. For this reason, I used LICS as a comparator conference, but I do not claim these two meetings are comparable.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1174\\_654.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1174_654.pdf)

#### Comparator

ACM/SIAM Symposium on Discrete Algorithms

Explanation as to why conference is superior to comparator:

I did not identify an A\* conference in the same area as ISSAC and that I would consider inferior. The topics of other A\* conferences are usually very far from those at ISSAC.

SODA has an overlap in scope, and a few authors have published in both conferences. For this reason, I used SODA as a comparator conference, but I do not claim these two meetings are comparable.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1174\\_662.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1174_662.pdf)

### Attachments

[http://portal.core.edu.au/core/media/request\\_attachment/issac.txt](http://portal.core.edu.au/core/media/request_attachment/issac.txt)

### Proposers

First name: Eric

Last name: Schost

Affiliation: University of Waterloo

Email: [eschost@uwaterloo.ca](mailto:eschost@uwaterloo.ca)

### Submitted By

Name: Schost Eric

Email: [eschost@uwaterloo.ca](mailto:eschost@uwaterloo.ca)