



**Submission Data for 2020-2021 CORE conference Ranking process  
Tools and Algorithms for Construction and Analysis of Systems**

Joost-Pieter Katoen, Holger Hermanns, Kim Guldstrand Larsen, Rance Cleaveland, Dirk Beyer

**Conference Details**

**Conference**

Title: Tools and Algorithms for Construction and Analysis of Systems  
Acronym : TACAS  
Rank: A

**Requested Rank**

Rank: A\*

**Recent Years**

**Proceedings Publishing Style**

Proceedings Publishing: series  
Link to most recent proceedings: <https://link.springer.com/book/10.1007%2F978-3-030-45190-5>  
Further details: TACAS proceedings are published in the LNCS ArCoSS subseries under gold open access. Since 2016, the TACAS proceedings consist of two LNCS volumes.

**Most Recent Years**

**Most Recent Year**

Year: 2019  
URL: <https://etaps.org/2019>  
Location: Prague  
Papers submitted: 164  
Papers published: 50  
Acceptance rate: 30  
Source for numbers: <https://link.springer.com/book/10.1007%2F978-3-030-17462-0>

**General Chairs**

Name: Jan Vitek Affiliation: Northeastern University, Boston, USA Gender: M H Index: 51 GScholar url: <a href="https://scholar.google.com/citations?user=Ws0GjboAAAAJ">https://scholar.google.com/citations?user=Ws0GjboAAAAJ</a> DBLP url: <a href="https://dblp.org/pid/v/JanVitek.html">https://dblp.org/pid/v/JanVitek.html</a>
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**Program Chairs**

Name: Tomas Vojnar Affiliation: Brno University of Technology, Czech Republic Gender: M H Index: 30 GScholar url: <a href="https://scholar.google.com/citations?user=YbSGwKwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=YbSGwKwAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/51/533.html">https://dblp.org/pid/51/533.html</a>
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Name: Lijung Zhang Affiliation: Institute of Software at Chinese Academy of Sciences, Beijing, China Gender: M H Index: 24 GScholar url: <a href="https://scholar.google.com/citations?user=zf_EyvEAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=zf_EyvEAAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.org/pid/76/4015-1.html">https://dblp.org/pid/76/4015-1.html</a>
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## Second Most Recent Year

Year: 2018

URL: <https://etaps.org/2018/tacas>

Location: Thessaloniki, Greece

Papers submitted: 154

Papers published: 45

Acceptance rate: 29

Source for numbers: <https://link.springer.com/book/10.1007%2F978-3-319-89960-2>

### General Chairs

Name: Panagiotis Katsaros Affiliation: Aristothele University of Thessaloniki Gender: M H Index: 19 GScholar url: <a href="https://scholar.google.com/citations?user=IF0oXd8AAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=IF0oXd8AAAAJ&amp;hl=en&amp;oi=ao</a> DBLP url: <a href="https://dblp.org/pid/20/2927.html">https://dblp.org/pid/20/2927.html</a>
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### Program Chairs

Name: Dirk Beyer Affiliation: LMU Munich, Germany Gender: M H Index: 42 GScholar url: <a href="https://scholar.google.com/citations?user=AF0I11IAAAAAJ">https://scholar.google.com/citations?user=AF0I11IAAAAAJ</a> DBLP url: <a href="https://dblp.org/pid/b/DirkBeyer1.html">https://dblp.org/pid/b/DirkBeyer1.html</a>
Name: Marieke Huisman Affiliation: University of Twente, The Netherlands Gender: F H Index: 29 GScholar url: <a href="https://scholar.google.com/citations?user=ntTJhw8AAAAJ">https://scholar.google.com/citations?user=ntTJhw8AAAAJ</a> DBLP url: <a href="https://dblp.org/pid/76/6612.html">https://dblp.org/pid/76/6612.html</a>

## Third Most Recent Year

Year: 2017

URL: <https://etaps.org/2017/tacas>

Location: Uppsala, Sweden

Papers submitted: 181

Papers published: 52

Acceptance rate: 29

Source for numbers: <https://link.springer.com/book/10.1007%2F978-3-662-54580-5>

### General Chairs

Name: Wang Yi Affiliation: Uppsala University, Sweden Gender: M H Index: 58 GScholar url: <a href="https://scholar.google.com/citations?user=_ynjrUAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=_ynjrUAAAAJ&amp;hl=en&amp;oi=ao</a> DBLP url: <a href="https://dblp.org/pid/y/WangYi.html">https://dblp.org/pid/y/WangYi.html</a>
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### Program Chairs

Name: Axel Legay Affiliation: Universite Catholique du Louvain, Belgium Gender: M H Index: 45 GScholar url: <a href="https://scholar.google.com/citations?user=6sGLpJIAAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=6sGLpJIAAAAAJ&amp;hl=en&amp;oi=ao</a> DBLP url: <a href="https://dblp.org/pid/52/579.html">https://dblp.org/pid/52/579.html</a>
Name: Tiziana Margaria Affiliation: University of Limerick, Ireland Gender: F H Index: 40 GScholar url: <a href="https://scholar.google.com/citations?user=AoTMbz4AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=AoTMbz4AAAAJ&amp;hl=en</a> DBLP url: <a href="https://dblp.uni-trier.de/pid/m/TizianaMargaria.html">https://dblp.uni-trier.de/pid/m/TizianaMargaria.html</a>

## Policies

Chair Selection: Criteria: PC chairs are selected based on their background and expertise in the research fields of the conference. High-quality contributions to the field and excellent international standing in the field. Gender diversity and geographical coverage are also reflected in the PC chair selection.

Process: in the TACAS SC meeting (attended by the TACAS SC members and the PC chairs of the current and previous year), proposals are solicited for possible PC chairs. In a subsequent meeting, the SC finalizes its decision.

Policy name: Anti-Harassment Policy

Policy url: <https://etaps.org/about/anti-harassment-policy>

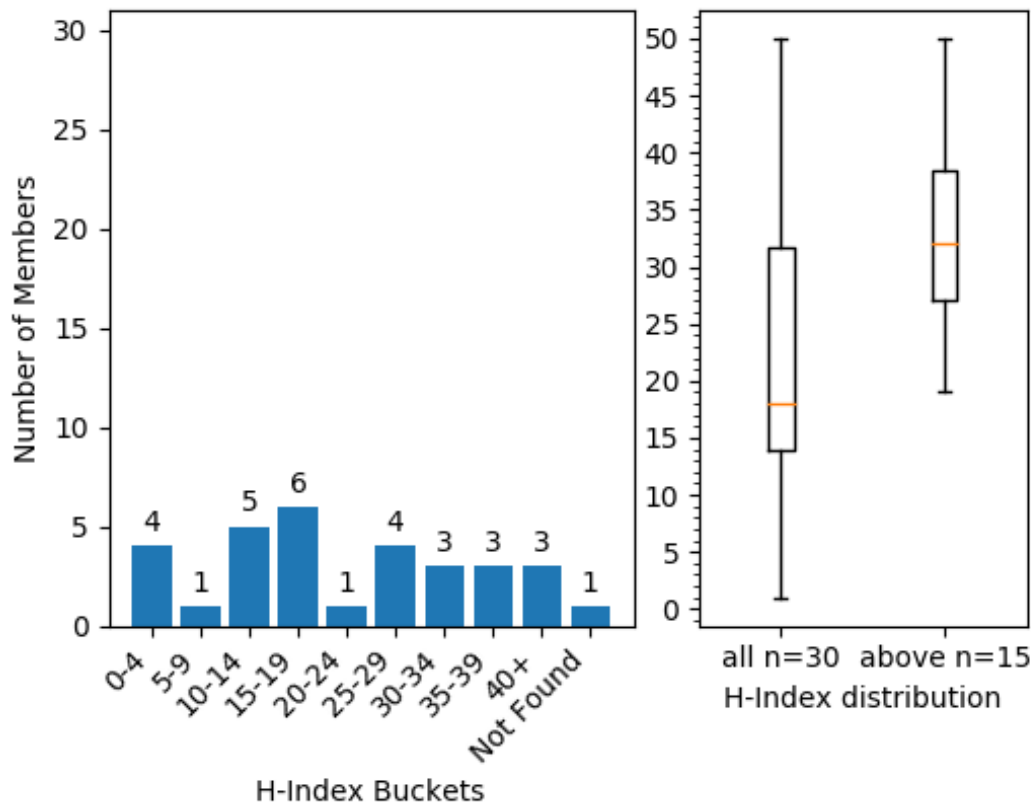
**(Senior) Program Committee**

Link to (s)pc: <https://etaps.org/2020/tacas>

File: [http://portal.core.edu.au/core/media/conf\\_submissions\\_spc\\_file/pc-tacas2020\\_U9h53uD.tex](http://portal.core.edu.au/core/media/conf_submissions_spc_file/pc-tacas2020_U9h53uD.tex)

H-index plot: [http://portal.core.edu.au/core/media/conf\\_submissions\\_hindex\\_plots/hindex\\_buckets\\_1177.png](http://portal.core.edu.au/core/media/conf_submissions_hindex_plots/hindex_buckets_1177.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\\_softwaresystems](https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_softwaresystems)

Position in sub-category: 16

Image of top 20: [http://portal.core.edu.au/core/media/changes\\_h5/higherrank1177\\_gscholar\\_minh5.png](http://portal.core.edu.au/core/media/changes_h5/higherrank1177_gscholar_minh5.png)

	Publication	<u>h5-index</u>	<u>h5-median</u>
1.	ACM/IEEE International Conference on Software Engineering	<u>74</u>	111
2.	Journal of Systems and Software	<u>61</u>	90
3.	Information and Software Technology	<u>59</u>	90
4.	ACM SIGSOFT International Symposium on Foundations of Software Engineering	<u>53</u>	78
5.	Empirical Software Engineering	<u>53</u>	75
6.	IEEE Transactions on Software Engineering	<u>52</u>	77
7.	ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL)	<u>48</u>	76
8.	ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI)	<u>46</u>	78
9.	IEEE/ACM International Conference on Automated Software Engineering (ASE)	<u>45</u>	75
10.	IEEE Software	<u>44</u>	90
11.	Symposium on Operating Systems Principles	<u>42</u>	77
12.	Software & Systems Modeling	<u>41</u>	55
13.	Mining Software Repositories	<u>40</u>	52
14.	International Conference on Software Analysis, Evolution, and Reengineering (SANER)	<u>40</u>	48
15.	International Symposium on Software Testing and Analysis	<u>36</u>	61
16.	International Conference on Tools and Algorithms for the Construction and Analysis of Systems (TACAS)	<u>33</u>	54
17.	IEEE International Conference on Software Maintenance and Evolution	<u>33</u>	46
18.	Proceedings of the ACM on Programming Languages	<u>31</u>	46
19.	Software: Practice and Experience	<u>30</u>	36
20.	ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)	<u>29</u>	44

h5-index for this conference: 33

### ACM Metrics

Not Sponsored by ACM

### Aminer Rank

Aminer rank: 45

Aminer name: European Joint Conferences on Theory and Practice of Software

Acronym / shortname: ETAPS

h-5 index: 6

CCF level: B

THU level: B



Top Aminer Cites: [http://portal.core.edu.au/core/media/conf\\_submissions\\_citations/higherrank1177\\_aminer\\_top\\_cite.png](http://portal.core.edu.au/core/media/conf_submissions_citations/higherrank1177_aminer_top_cite.png)

1 **BenchmarkX Reloaded: A Practical Benchmark Framework for Bidirectional Transformations** Cited by 36  
 Anthony Anjorin, Zinovy Diskin, Frédéric Jouault, Hsiang-Shang Ko, Erhan Leblebici, Bernhard Westfechtel  
 (2017)



2 **Unifying Set-Based, Delta-Based and Edit-Based Lenses** Cited by 15  
 Michael Johnson, Robert D. Rosebrugh  
 (2016)



3 **Incorporating Uncertainty into Bidirectional Model Transformations and their Delta-Lens Formalization** Cited by 11  
 Zinovy Diskin, Romina Eramo, Alfonso Pierantonio, Krzysztof Czarnecki  
 (2016)

4 **Towards a Graph Grammar-Based Approach to Inter-Model Consistency Checks with Traceability Support** Cited by 9  
 Erhan Leblebici  
 (2016)

5 **Brul: A Putback-Based Bidirectional Transformation Library for Updatable Views** Cited by 8  
 Tao Zan , Li Liu , Hsiang-Shang Ko, Zhenjiang Hu  
 (2016)

6 **Compositionality of Update Propagation: Lax PutPut** Cited by 8  
 Zinovy Diskin  
 (2017)

7 **Automated Inversion of Attribute Mappings in Bidirectional Model Transformations** Cited by 6  
 Max E. Kramer , Kirill Rakhman   
 (2016)

8 **Universal Updates for Symmetric Lenses** Cited by 5  
 Michael Johnson , Robert D. Rosebrugh   
 (2017)

9 **Change Propagation of View Models by Logic Synthesis using SAT solvers** Cited by 4  
 Oszkár Semeráth, Csaba Debreceni, Ákos Horváth, Dániel Varró  
 (2016)

10 **Towards the Propagation of Model Updates along different Views in Multi-View Models** Cited by 3  
 Susann Gottmann, Nico Nachtigall, Claudia Ermel, Frank Hermann 0001, Thomas Engel  
 (2016)

## Other Rankings

Not aware of any other Rankings

- Conferences in area: 1. Computer-Aided Verification (CAV), Tools and Algorithms for the Construction and Analysis of Systems (TACAS)  
 2. Int. Symp. on Automated Technology for Verification and Analysis (ATVA)  
 3. Verification, Model Checking and Abstract Interpretation (VMCAI)  
 4. Formal Methods in Computer-Aided Design (FMCAD)  
 5. Int. Conf. on Runtime Verification

## Top People Publishing Here

name: Thomas Henzinger

justification: Recipient ERC Advanced Grant Recipient Wittgenstein Award

h-index 110 (<https://scholar.google.com/citations?user=jpgplxUAAAAJ&hl=en&oi=ao>)

Paper counts:

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

Attendance: OFTEN

name: Marta Kwiatkowska

justification: Recipient ERC Advanced Grant Recipient Ada Lovelace Award

h-index 66 (<https://scholar.google.com/citations?user=ArcH6PkAAAAJ>)

Paper counts:

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

Attendance: OFTEN  
 name: Kim G. Larsen  
 justification: Recipient ERC Advanced Grant Recipient CAV Award  
 h-index 82 (<https://scholar.google.com/citations?user=neDFD60AAAAJ&hl=en&oi=ao>)  
 Paper counts:

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

Attendance: ALWAYS  
 name: Joost-Pieter Katoen  
 justification: Recipient ERC Advanced Grant  
 h-index 66 ([https://scholar.google.com/citations?hl=en&user=yjj05\\_oAAAAJ](https://scholar.google.com/citations?hl=en&user=yjj05_oAAAAJ))  
 Paper counts:

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

Attendance: ALWAYS  
 name: Javier Esparza  
 justification: Recipient ERC Advanced Grant  
 h-index 51 (<https://scholar.google.com/citations?user=c9qgPSYAAAAJ>)  
 Paper counts:

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

Attendance: SOMETIMES  
 name: Armin Biere  
 justification: Recipient ETAPS 2017 Test-of-Time Award Recipient HVC Award  
 h-index 55 (see <https://scholar.google.com/citations?user=V6ES1nIAAAAJ&hl=en&oi=ao>)  
 Paper counts:

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

Attendance: OFTEN  
 name: Alessandro Cimatti  
 justification: Recipient ETAPS 2017 Test-of-Time Award  
 h-index 61 (see <https://scholar.google.com/citations?user=1bZ6n5IAAAAJ&hl=en>)  
 Paper counts:

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

Attendance: OFTEN  
 name: Holger Hermanns  
 justification: Recipient ERC Advanced Grant  
 h-index 55 (see <https://scholar.google.com/citations?user=1WMIeCAAAAAJ&hl=en&oi=ao>)  
 Paper counts:

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

Attendance: ALWAYS  
 name: Oded Maler  
 justification: h-index 54 (see <https://scholar.google.com/citations?user=OPdSqqAAAAAJ&hl=en&oi=ao>)  
 (Passed away in 2018)  
 Paper counts:

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

Attendance: SOMETIMES  
 name: Christel Baier  
 justification: h-index 49 (see <https://scholar.google.com/citations?user=p8sX7rOAAAAJ>)  
 Paper counts:

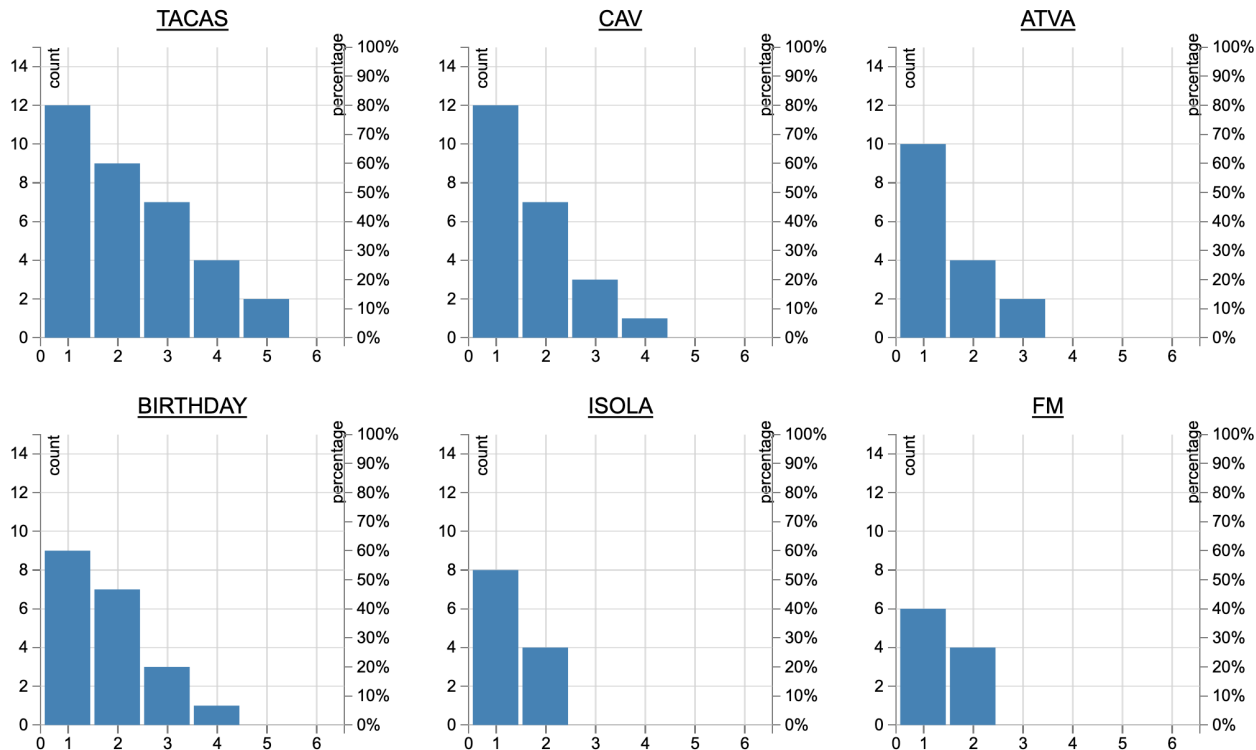
Most Recent:	Second most recent:	Third most recent:	Fourth most recent:	Fifth most recent:
0	0	1	0	1

Attendance: SOMETIMES

## Where People Publish

### Top (Senior) Program Committee Members

Generated Report Name: conf\_submissions\_top\_spc/higherrank1177\_top\_spc.csv  
 WPP Report: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1177\\_spc\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1177_spc_report.txt)  
 Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1177\\_spc\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1177_spc_graph.png)



Reference item: \ 1. International Conference on Tools and Algorithms for Construction and Analysis of Systems (TACAS)

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 This conference was published at 42 times by 12 of 15 experts in the last 5 years.

The experts that publish at this conference are: Jaco C. van de Pol(6), Dirk Beyer 0001(9), Alessandro Cimatti(5), Bernhard Steffen(2), Roderick Bloem(2), Kim Guldstrand Larsen(4), Natasha Sharygina(2), Ezio Bartocci(4), Holger Hermanns(2), Orna Grumberg(1), Christel Baier(3), Nir Piterman(4)

In 2015, there were 8 publications by 6 experts: Alessandro Cimatti, Jaco C. van de Pol, Dirk Beyer 0001, Nir Piterman, Roderick Bloem, Kim Guldstrand Larsen

In 2016, there were 8 publications by 7 experts: Alessandro Cimatti, Holger Hermanns, Jaco C. van de Pol, Dirk Beyer 0001, Christel Baier, Nir Piterman, Kim Guldstrand Larsen

In 2017, there were 7 publications by 7 experts: Alessandro Cimatti, Holger Hermanns, Dirk Beyer 0001, Ezio Bartocci, Christel Baier, Kim Guldstrand Larsen, Natasha Sharygina

In 2019, there were 11 publications by 8 experts: Ezio Bartocci, Jaco C. van de Pol, Dirk Beyer 0001, Alessandro Cimatti, Bernhard Steffen, Nir Piterman, Kim Guldstrand Larsen, Natasha Sharygina

In 2020, there were 8 publications by 6 experts: Ezio Bartocci, Jaco C. van de Pol, Dirk Beyer 0001, Orna Grumberg, Christel Baier, Alessandro Cimatti

12 out of the 15 experts published at this conference in 1 or more years

9 out of the 15 experts published at this conference in 2 or more years

7 out of the 15 experts published at this conference in 3 or more years

4 out of the 15 experts published at this conference in 4 or more years

2 out of the 15 experts published at this conference in 5 or more years

## Top People Report

Method of selection: We took the top people in Google scholar in the fields of "model checking" and "automated verification" (with h-index at least 45), as this is closest to the research topics covered by CAV, TACAS, ATVA, and VMCAI. We added top-notch people that regularly publish in the aforementioned conferences such as Vardi, Henzinger, Larsen, McMillan, Dill with an h-index at least 50.

	name	h-index	gscholar url
Keyword: model checking	Edmund Clarke	101	<a href="https://scholar.google.com/citations?hl=en&amp;user=_adL2C8AAAAJ">https://scholar.google.com/citations?hl=en&amp;user=_adL2C8AAAAJ</a>
	Moshe Y. Vardi	110	<a href="https://scholar.google.com/citations?hl=en&amp;user=DQaARsgAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=DQaARsgAAAAJ</a>
	Thomas Henzinger	110	<a href="https://scholar.google.com/citations?hl=en&amp;user=jpgplxUAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=jpgplxUAAAAJ</a>
	Kim G. Larsen	82	<a href="https://scholar.google.com/citations?hl=en&amp;user=neDFD60AAAAJ">https://scholar.google.com/citations?hl=en&amp;user=neDFD60AAAAJ</a>
	Orna Grumberg	52	<a href="https://scholar.google.com/citations?hl=en&amp;user=ZPed8YAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=ZPed8YAAAAJ</a>
	Doron A. Peled	48	<a href="https://scholar.google.com/citations?hl=en&amp;user=XF61SSWAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=XF61SSWAAAAJ</a>
	Daniel Kroening	52	<a href="https://scholar.google.com/citations?hl=en&amp;user=DHddutUAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=DHddutUAAAAJ</a>
	Joost-Pieter Katoen	66	<a href="https://scholar.google.com/citations?hl=en&amp;user=yjj05_oAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=yjj05_oAAAAJ</a>
	Alessandro Cimatti	61	<a href="https://scholar.google.com/citations?hl=en&amp;user=lbZ6n5IAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=lbZ6n5IAAAAAJ</a>
	Armin Biere	55	<a href="https://scholar.google.com/citations?hl=en&amp;user=V6ES1nIAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=V6ES1nIAAAAAJ</a>
	Andrew V Jones	55	<a href="https://scholar.google.com/citations?hl=en&amp;user=YiJyXtYAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=YiJyXtYAAAAJ</a>
	Pierre Wolper	46	<a href="https://scholar.google.com/citations?hl=en&amp;user=6pao8gkAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=6pao8gkAAAAJ</a>
	Bernhard Steffen	65	<a href="https://scholar.google.com/citations?hl=en&amp;user=YFGsf1YAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=YFGsf1YAAAAJ</a>
	Rupak Majumdar	56	<a href="https://scholar.google.com/citations?hl=en&amp;user=C0uXyKwAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=C0uXyKwAAAAJ</a>
	Christel Baier	49	<a href="https://scholar.google.com/citations?hl=en&amp;user=C0uXyKwAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=C0uXyKwAAAAJ</a>
	Marta Kwiatkowska	66	<a href="https://scholar.google.com/citations?hl=en&amp;user=ArcH6PkAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=ArcH6PkAAAAJ</a>
	Tevfik Bultan	45	<a href="https://scholar.google.com/citations?hl=en&amp;user=eq4egiWAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=eq4egiWAAAAJ</a>
	David Parker	51	<a href="https://scholar.google.com/citations?hl=en&amp;user=nEKbXSMAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=nEKbXSMAAAAJ</a>
	Scott A. Smolka	52	<a href="https://scholar.google.com/citations?hl=en&amp;user=4q-QenMAAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=4q-QenMAAAAAJ</a>
	Javier Esparza	51	<a href="https://scholar.google.com/citations?hl=en&amp;user=c9qgPSYAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=c9qgPSYAAAAJ</a>
	Kenneth McMillan	58	
David Dill	77		

Reference item: \ 2. International Conference on Tools and Algorithms for Construction and Analysis of Systems (TACAS)

-----  
This conference was published at 54 times by 16 of 21 experts in the last 5 years.

The experts that publish at this conference are: Edmund M. Clarke(1), Scott A. Smolka(1), David Parker 0001(3), Joost-Pieter Katoen(8), Marta Z. Kwiatkowska(4), Kim G. Larsen(4), Christel Baier(3), Javier Esparza(4), Alessandro Cimatti(5), Armin Biere(3), Daniel Kroening(4), Orna Grumberg(1), Bernhard Steffen(2), Thomas A. Henzinger(5), Rupak Majumdar(7), Moshe Y. Vardi(1)

In 2015, there were 7 publications by 7 experts: Edmund M. Clarke, Alessandro Cimatti, Moshe Y. Vardi, Marta Z. Kwiatkowska, Thomas A. Henzinger, Rupak Majumdar, Kim G. Larsen

In 2016, there were 14 publications by 9 experts: Alessandro Cimatti, Daniel Kroening, Joost-Pieter Katoen, Marta Z. Kwiatkowska, Thomas A. Henzinger, Rupak Majumdar, Kim G. Larsen, Christel Baier, David Parker 0001

In 2017, there were 10 publications by 9 experts: Alessandro Cimatti, Armin Biere, Scott A. Smolka, Joost-Pieter Katoen, Christel Baier, Thomas A. Henzinger, Rupak Majumdar, Kim G. Larsen, Javier Esparza

In 2018, there were 4 publications by 4 experts: Armin Biere, Javier Esparza, Joost-Pieter Katoen, Marta Z. Kwiatkowska

In 2019, there were 11 publications by 9 experts: Alessandro Cimatti, Armin Biere, David Parker 0001, Joost-Pieter Katoen, Bernhard Steffen, Kim G. Larsen, Rupak Majumdar, Javier Esparza, Daniel Kroening

In 2020, there were 8 publications by 6 experts: Alessandro Cimatti, Joost-Pieter Katoen, Orna Grumberg, Christel Baier, Thomas A. Henzinger, Javier Esparza

16 out of the 21 experts published at this conference in 1 or more years

11 out of the 21 experts published at this conference in 2 or more years

9 out of the 21 experts published at this conference in 3 or more years

6 out of the 21 experts published at this conference in 4 or more years

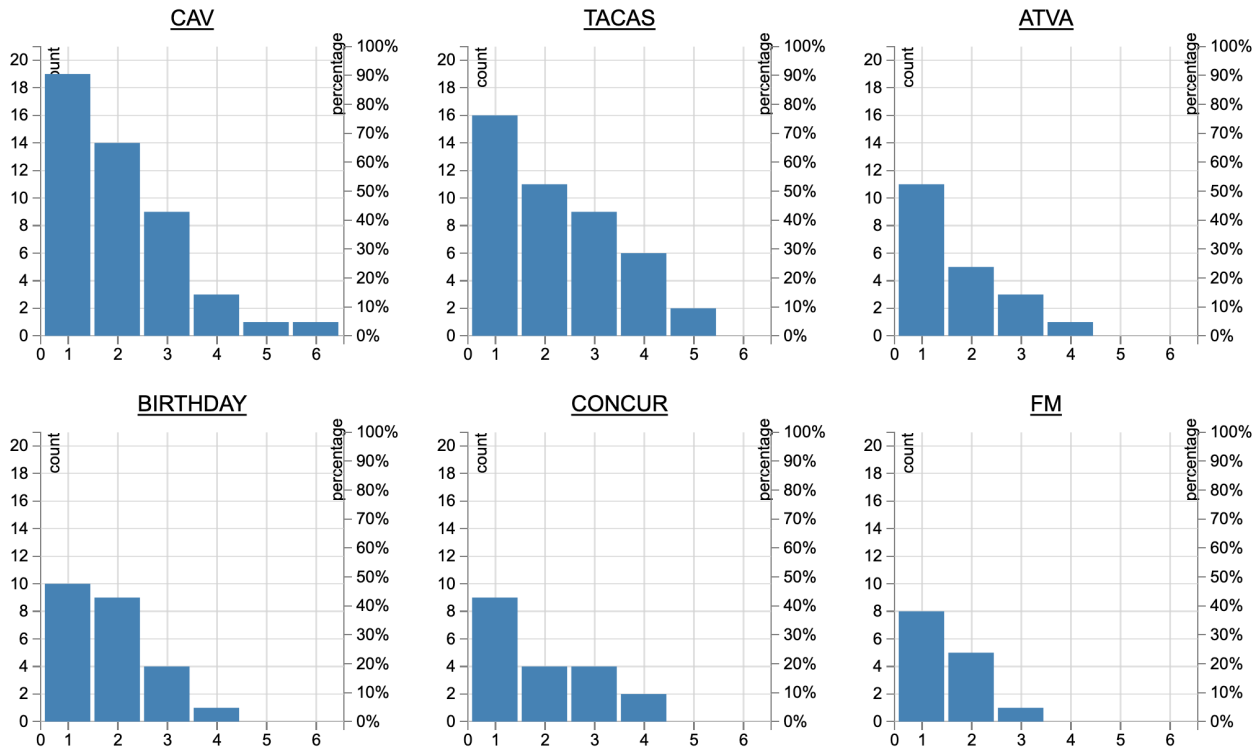
2 out of the 21 experts published at this conference in 5 or more years WPP Report:

[http://portal.core.edu.au/core/media/conf\\_rank\\_report/higherrank1177\\_top\\_people\\_report.txt](http://portal.core.edu.au/core/media/conf_rank_report/higherrank1177_top_people_report.txt)

Graphs: [http://portal.core.edu.au/core/media/conf\\_rank\\_graphs/higherrank1177\\_top\\_people\\_graph.png](http://portal.core.edu.au/core/media/conf_rank_graphs/higherrank1177_top_people_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.



## Other Information

### Comparator Comparison

#### Comparator

Computer Aided Verification

Explanation as to why conference is superior to comparator:

We consider TACAS (so far FOR code 4613) in the same category as CAV (FOR code 4612). They both are focused on automated verification. As TACAS is a member of the ETAPS conference focusing on software systems, and has the same focus as CAV it should be categorised in 4613 (software engineering). Also the related conferences ATVA and VMCAI are categorised in FOR 4612. According to Google scholar, TACAS is categorised as a software conference (while CAV is hardware).

Top researchers that publish in CAV also publish in TACAS (and vice versa) as substantiated by the data on where people publish (wpp). h5-index TACAS is 33 h5-index CAV is 38

acceptance rate TACAS is about 29% acceptance rate CAV is about 29%

annual number of submissions TACAS is 166 annual number of submissions CAV is 221

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1177\\_427.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1177_427.pdf)

#### Comparator

ACM Conference on Object Oriented Programming Systems Languages and Applications

Explanation as to why conference is superior to comparator:

As stated above, we consider TACAS to belong to FOR code 4612 (software) rather than 4613. We therefore have compared to another A\* conference in 4612, namely OOPSLA. We consider TACAS to be superior to OOPSLA.

The h5-index is comparable (TACAS 33, OOPSLA 29), the position in the Google scholar ranking in the category software is better (TACAS position 16, OOPSLA position 20). The acceptance rates (as far as they are available) are comparable (TACAS 29%, OOPSLA 30%). In our impression, experts with high to very high h-indices publish regularly at TACAS and are regular SPC members; it seems that this is less the case for OOPSLA.

Link to comparator report:

[http://portal.core.edu.au/core/media/conference\\_submission\\_2020/Data\\_Comparator\\_for\\_1177\\_682.pdf](http://portal.core.edu.au/core/media/conference_submission_2020/Data_Comparator_for_1177_682.pdf)

## Other Relevant Info

Other relevant information: TACAS is a conference, part of the ETAPS conference federation consisting in addition of FASE, ESOP and FoSSaCS. In AMiner, ETAPS is listed as a whole, but the individual ETAPS conferences are not listed. In addition, for ETAPS also the data is only available until 2016. AMiner data for ETAPS/TACAS is thus outdated and should be ignored. As a result, TACAS can unfortunately not be compared to its competitors on the basis of that data.

We were forced to compare to other A\* conference. There is only A\* conference in our area (CAV). So we decided to compare with the A\* conference OOPSLA, which statistically is not better.

TACAS is far superior to related A conferences in the field such as ATVA:

h5-index TACAS is 33 h5-index ATVA is 19

acceptance rate TACAS is about 29% acceptance rate CAV is about 38%

annual number of submissions TACAS is 166 annual number of submissions ATVA is 75

### **Attachments**

N/A

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