



**Submission Data for 2017 CORE conference Re-ranking process**  
**Computer Aided Verification (Submitted as a comparator for IEEE European Symposium on Security and Privacy)**

Submitted by: Toby Murray [toby.murray@unimelb.edu.au](mailto:toby.murray@unimelb.edu.au)  
Supported by: Toby Murray

## Conference Details

### Conference

Title: Computer Aided Verification  
Acronym : CAV  
Rank: A\*

### Recent Years

#### Most Recent Year

Year: 2017  
URL: <http://cavconference.org/2017/>  
Papers submitted: 191  
Papers published: 57  
Acceptance rate: 30  
Source for acceptance rate: <http://www.springer.com/gp/book/9783319633862>

### Program Chairs

Name: Viktor Kuncak  
Affiliation: EPFL  
H index: 34  
Google Scholar URL: <https://scholar.google.com/citations?user=kmoklesAAAAJ>  
DBLP URL:

### General Chairs

Name: Rupak Majumdar  
Affiliation: MPI-SWS  
H index: 51  
Google Scholar URL: <https://scholar.google.com/citations?user=COuXyKwAAAAJ>  
DBLP URL:

#### Second Most Recent Year

Year: 2016  
URL: <https://scholar.google.com/citations?user=COuXyKwAAAAJ>  
Papers submitted: 195  
Papers published: 62  
Acceptance rate: 32  
Source for acceptance rate: <http://www.springer.com/us/book/9783319415390>

### Program Chairs

Name: Swarat Chaudhuri  
Affiliation: Rice University  
H index: 20  
Google Scholar URL: <https://scholar.google.com.au/citations?user=9j6RBYQAAAAJ&hl=en>  
DBLP URL:

## General Chairs

Name: Azadeh Farzan  
Affiliation: University of Toronto  
H index: 18  
Google Scholar URL: [https://scholar.google.ca/citations?user=n9Kg\\_LUAAAAJ](https://scholar.google.ca/citations?user=n9Kg_LUAAAAJ)  
DBLP URL:

## Third Most Recent Year

Year: 2015  
URL: <http://i-cav.org/2015/>  
Papers submitted: 252  
Papers published: 69  
Acceptance rate: 27  
Source for acceptance rate: <http://www.springer.com/us/book/9783319216898>

## Program Chairs

Name: Daniel Kroening  
Affiliation: University of Oxford  
H index: 42  
Google Scholar URL: <https://scholar.google.com/citations?user=DHddutUAAAAJ&hl=en>  
DBLP URL:

## General Chairs

Name: Corina Pasareanu  
Affiliation: CMU  
H index: 42  
Google Scholar URL: <https://scholar.google.com/citations?user=pwIuivQAAAAJ&hl=en>  
DBLP URL:

## External Ranks

### Google Scholar Rank

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+  
h5-index of 20th item in subcategory: 23  
h5-index of this conference: -1  
Next conference above portal link: None  
h5-index of above conference: None  
Next conference below portal link: None  
h5-index of below conference: None

### LiveSHINE rank

Class: A+  
H-index: 78  
RankH-index: 70  
Avg citations: 44  
RankAvgCitations: 48  
ClassAvgCitations: A++  
Publications: 582  
Citations: 25595

### Microsoft Academic rank

Class: A+  
FiledRating: 108  
RankFieldRating: 74  
ClassFieldRating: A+  
Avg citations: 34  
RankAvgCitations: 65  
ClassAvgCitations: A++  
Publications: 1729  
Citations: 58025

## Where others publish

### General Report

File: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/WherePeoplePublishFormalMethods.txt](http://portal.core.edu.au/core/media/conf_rank_report/WherePeoplePublishFormalMethods.txt)  
List of people with h-indices:

| No. | Name                | h index | url   |
|-----|---------------------|---------|---|
| 1   | Edmund Clarke       | 95      | <a href="https://scholar.google.com/citations?user=_adL2C8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=_adL2C8AAAAJ&amp;hl=en</a>   |
| 2   | Rajeev Alur         | 78      | <a href="https://scholar.google.com/citations?user=kWnv_YkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=kWnv_YkAAAAJ&amp;hl=en</a>   |
| 3   | David Garlan        | 70      | <a href="https://scholar.google.com/citations?user=p6HgUFEAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=p6HgUFEAAAAJ&amp;hl=en</a>   |
| 4   | Somesh Jha          | 71      | <a href="https://scholar.google.com/citations?user=BaI7l8QAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=BaI7l8QAAAAJ&amp;hl=en</a>   |
| 5   | George J. Pappas    | 74      | <a href="https://scholar.google.com/citations?user=Kia-4B0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Kia-4B0AAAAJ&amp;hl=en</a>   |
| 6   | Patrick Cousot      | 48      | <a href="https://scholar.google.com/citations?user=mhlvI8wAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mhlvI8wAAAAJ&amp;hl=en</a>   |
| 7   | Joseph Sifakis      | 59      | <a href="https://scholar.google.com/citations?user=8jCwk4EAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=8jCwk4EAAAAJ&amp;hl=en</a>   |
| 8   | Gul Agha            | 56      | <a href="https://scholar.google.com/citations?user=orHlhhQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=orHlhhQAAAAJ&amp;hl=en</a>   |
| 9   | Lawrence Paulson    | 49      | <a href="https://scholar.google.com/citations?user=Sv1hcjEAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Sv1hcjEAAAAJ&amp;hl=en</a>   |
| 10  | Zhiming Liu         | 51      | <a href="https://scholar.google.com/citations?user=fm-_zCwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=fm-_zCwAAAAJ&amp;hl=en</a>   |
| 11  | Pierre Wolper       | 46      | <a href="https://scholar.google.com/citations?user=6pao8gkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=6pao8gkAAAAJ&amp;hl=en</a>   |
| 12  | Natarajan Shankar   | 50      | <a href="https://scholar.google.com/citations?user=qVzY4XYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=qVzY4XYAAAAJ&amp;hl=en</a>   |
| 13  | patrick lincoln     | 51      | <a href="https://scholar.google.com/citations?user=VMn7Ss0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=VMn7Ss0AAAAJ&amp;hl=en</a>   |
| 14  | Gary T. Leavens     | 47      | <a href="https://scholar.google.com/citations?user=NuVArIYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=NuVArIYAAAAJ&amp;hl=en</a>   |
| 15  | David Basin         | 50      | <a href="https://scholar.google.com/citations?user=-BA-kHYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=-BA-kHYAAAAJ&amp;hl=en</a>   |
| 16  | Klaus Havelund      | 46      | <a href="https://scholar.google.com/citations?user=yr-qU5MAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=yr-qU5MAAAAAJ&amp;hl=en</a> |
| 17  | Gethin Norman       | 46      | <a href="https://scholar.google.com/citations?user=H3n0lXsAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=H3n0lXsAAAAJ&amp;hl=en</a>   |
| 18  | Grigore Rosu        | 49      | <a href="https://scholar.google.com/citations?user=yxpqbdQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=yxpqbdQAAAAJ&amp;hl=en</a>   |
| 19  | Carl A. Gunter      | 46      | <a href="https://scholar.google.com/citations?user=3S5qpXsAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=3S5qpXsAAAAJ&amp;hl=en</a>   |
| 20  | Frits W. Vaandrager | 48      | <a href="https://scholar.google.com/citations?user=2bkj1MgAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=2bkj1MgAAAAJ&amp;hl=en</a>   |

Keyword: formal methods

Reference Item:

#### 1. Computer Aided Verification (CAV)

-----  
This conference was published at 41 times by 11 of 20 experts in the last 10 years.

The experts that publish at this conference are: Edmund M. Clarke(8), Somesh Jha(4), Rajeev Alur(12), Grigore Rosu(3), Joseph Sifakis(3), Gary T. Leavens(1), Patrick Lincoln(1), Gul Agha(2), Natarajan Shankar(2), David A. Basin(3), Gethin Norman(2)

In 2005, there were 5 publications by 5 experts: Edmund M. Clarke, Gul Agha, Rajeev Alur, Grigore Rosu, David A. Basin

In 2006, there were 5 publications by 4 experts: Gul Agha, Rajeev Alur, Gethin Norman, Grigore Rosu

In 2007, there were 4 publications by 4 experts: Edmund M. Clarke, Natarajan Shankar, Gary T. Leavens, Grigore Rosu

In 2008, there were 3 publications by 2 experts: Edmund M. Clarke, Rajeev Alur

In 2009, there were 5 publications by 2 experts: Joseph Sifakis, Rajeev Alur

In 2010, there were 5 publications by 4 experts: Somesh Jha, Edmund M. Clarke, Rajeev Alur, David A. Basin

In 2011, there were 1 publications by 1 experts: Gethin Norman

In 2012, there were 4 publications by 3 experts: Somesh Jha, Edmund M. Clarke, Rajeev Alur

In 2013, there were 4 publications by 4 experts: Somesh Jha, Edmund M. Clarke, Natarajan Shankar, David A. Basin

In 2014, there were 2 publications by 2 experts: Rajeev Alur, Patrick Lincoln

In 2015, there were 3 publications by 2 experts: Edmund M. Clarke, Rajeev Alur

11 out of the 20 experts published at this conference in 1 or more years

8 out of the 20 experts published at this conference in 2 or more years

5 out of the 20 experts published at this conference in 3 or more years

2 out of the 20 experts published at this conference in 7 or more years

1 out of the 20 experts published at this conference in 8 or more years

### Specialised Report

File: [http://portal.core.edu.au/core/media/conf\\_rank\\_report/WherePeoplePublishCAV.txt](http://portal.core.edu.au/core/media/conf_rank_report/WherePeoplePublishCAV.txt)  
List of people with h-indices:

| No. | Name              | h index | url   |
|-----|-------------------|---------|---|
| 1   | Daniel Kroening   | 42      | <a href="https://scholar.google.com/citations?user=DHddutUAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=DHddutUAAAAJ&amp;hl=en</a>   |
| 2   | Edmund Clarke     | 95      | <a href="https://scholar.google.com/citations?user=_adL2C8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=_adL2C8AAAAJ&amp;hl=en</a>   |
| 3   | Rajeev Alur       | 78      | <a href="https://scholar.google.com/citations?user=kWnv_YkAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=kWnv_YkAAAAJ&amp;hl=en</a>   |
| 4   | Somesh Jha        | 71      | <a href="https://scholar.google.com/citations?user=BaI718QAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=BaI718QAAAAJ&amp;hl=en</a>   |
| 5   | Joseph Sifakis    | 59      | <a href="https://scholar.google.com/citations?user=8jCwk4EAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=8jCwk4EAAAAJ&amp;hl=en</a>   |
| 6   | Gul Agha          | 56      | <a href="https://scholar.google.com/citations?user=orHlhhQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=orHlhhQAAAAJ&amp;hl=en</a>   |
| 7   | Natarajan Shankar | 50      | <a href="https://scholar.google.com/citations?user=qVzY4XYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=qVzY4XYAAAAJ&amp;hl=en</a>   |
| 8   | patrick lincoln   | 51      | <a href="https://scholar.google.com/citations?user=VMn7Ss0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=VMn7Ss0AAAAJ&amp;hl=en</a>   |
| 9   | Gary T. Leavens   | 47      | <a href="https://scholar.google.com/citations?user=NuVArIYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=NuVArIYAAAAJ&amp;hl=en</a>   |
| 10  | David Basin       | 50      | <a href="https://scholar.google.com/citations?user=-BA-kHYAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=-BA-kHYAAAAJ&amp;hl=en</a>   |
| 11  | Gethin Norman     | 46      | <a href="https://scholar.google.com/citations?user=H3n0LXsAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=H3n0LXsAAAAJ&amp;hl=en</a>   |
| 12  | Grigore Rosu      | 49      | <a href="https://scholar.google.com/citations?user=yxpqbdQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=yxpqbdQAAAAJ&amp;hl=en</a>   |
| 13  | Alex Aiken        | 65      | <a href="https://scholar.google.com/citations?user=3vKjkoQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=3vKjkoQAAAAJ&amp;hl=en</a>   |
| 14  | Thomas Ball       | 56      | <a href="https://scholar.google.com/citations?user=d2f0VUQAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=d2f0VUQAAAAJ&amp;hl=en</a>   |
| 15  | Dawson Engler     | 44      | <a href="https://scholar.google.com/citations?user=Bz-b2a0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Bz-b2a0AAAAJ&amp;hl=en</a>   |
| 16  | Bill Roscoe       | 48      | <a href="https://scholar.google.com/citations?user=miixtKcAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=miixtKcAAAAJ&amp;hl=en</a>   |
| 17  | Tobias Nipkow     | 49      | <a href="https://scholar.google.com/citations?user=lv19c_cAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=lv19c_cAAAAJ&amp;hl=en</a>   |
| 18  | Sriram Rajamani   | 48      | <a href="https://scholar.google.com/citations?user=o-EdErcAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=o-EdErcAAAAJ&amp;hl=en</a>   |
| 19  | Bernd Becker      | 40      | <a href="https://scholar.google.com/citations?user=blhIc7MAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=blhIc7MAAAAAJ&amp;hl=en</a> |
| 20  | Armin Biere       | 45      | <a href="https://scholar.google.com/citations?user=V6ESinIAAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=V6ESinIAAAAAJ&amp;hl=en</a> |

Keyword:

Reference Item:

#### 1. Computer Aided Verification (CAV)

-----  
This conference was published at 67 times by 19 of 20 experts in the last 10 years.

The experts that publish at this conference are: Edmund M. Clarke(8), Somesh Jha(4), Rajeev Alur(12), Bernd Becker(1), Dawson R. Engler(1), Sriram K. Rajamani(1), Grigore Rosu(3), Joseph Sifakis(3), Gary T. Leavens(1), Alex Aiken(5), Patrick Lincoln(1), Natarajan Shankar(2), Gul Agha(2), Armin Biere(1), Daniel Kroening(11), David A. Basin(3), Thomas Ball(5), Gethin Norman(2), Tobias Nipkow(1)

In 2005, there were 8 publications by 7 experts: Edmund M. Clarke, Gul Agha, Rajeev Alur, Daniel Kroening, David A. Basin, Thomas Ball, Grigore Rosu

In 2006, there were 6 publications by 5 experts: Gul Agha, Rajeev Alur, Daniel Kroening, Grigore Rosu, Gethin Norman

In 2007, there were 7 publications by 7 experts: Edmund M. Clarke, Armin Biere, Bernd Becker, Grigore Rosu, Thomas Ball, Gary T. Leavens, Natarajan Shankar

In 2008, there were 3 publications by 2 experts: Edmund M. Clarke, Rajeev Alur

In 2009, there were 7 publications by 4 experts: Joseph Sifakis, Rajeev Alur, Alex Aiken, Daniel Kroening

In 2010, there were 9 publications by 6 experts: Somesh Jha, Edmund M. Clarke, Rajeev Alur, Daniel Kroening, David A. Basin, Thomas Ball

In 2011, there were 6 publications by 4 experts: Dawson R. Engler, Alex Aiken, Daniel Kroening, Gethin Norman

In 2012, there were 6 publications by 4 experts: Somesh Jha, Edmund M. Clarke, Alex Aiken, Rajeev Alur

In 2013, there were 8 publications by 7 experts: Somesh Jha, Edmund M. Clarke, Natarajan Shankar, Daniel Kroening, Sriram K. Rajamani, David A. Basin, Tobias Nipkow

In 2014, there were 4 publications by 4 experts: Rajeev Alur, Patrick Lincoln, Alex Aiken, Daniel Kroening

In 2015, there were 3 publications by 2 experts: Edmund M. Clarke, Rajeev Alur

19 out of the 20 experts published at this conference in 1 or more years

11 out of the 20 experts published at this conference in 2 or more years

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4 out of the 20 experts published at this conference in 4 or more years

3 out of the 20 experts published at this conference in 7 or more years

1 out of the 20 experts published at this conference in 8 or more years