IJCAR 2024 – PC Chairs Report

Christoph Benzmüller, Marijn Heule and Renate Schmidt

July 5, 2024, Nancy, France
CADE - Conference on Automated Deduction
FroCoS - Symposium on Frontiers of Combining Systems
TABLEAUX - Conference on Analytic Tableaux and Related Methods

Back in Nancy! 30 years ago, CADE-12 was in Nancy as well
Jan 29, 2024 Abstract submission
Feb 5, 2024 Paper submission (updates allowed until Feb 10)
Mar 10-12, 2024 Rebuttal
Mar 28, 2024 Notification of paper decisions
Apr 28, 2024 Camera-ready papers due
Jul 1-2, 2024 Workshops & Tutorials
Jul 3-6, 2024 Conference, including CASC and termination competition
<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Submitted</th>
<th>Accepted</th>
<th>Acceptance rate</th>
<th>In proceedings</th>
<th>Last pages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>reg sh/sys</td>
<td>reg sh/sys</td>
<td>all</td>
<td>cont inv</td>
<td>all pages</td>
</tr>
<tr>
<td>2024</td>
<td>Nancy</td>
<td>96 19</td>
<td>115 39 6</td>
<td>45 41% 32%</td>
<td>39% 45 3</td>
<td>48 480+422</td>
</tr>
<tr>
<td>2022</td>
<td>Haifa</td>
<td>67 28</td>
<td>95 32 9</td>
<td>41 48% 32%</td>
<td>43% 41 2</td>
<td>43 757 2 abstract</td>
</tr>
<tr>
<td>2020</td>
<td>Online/Paris</td>
<td>150 21 25</td>
<td>196 62 11</td>
<td>6 79 41% 52% 24%</td>
<td>40% 62 1</td>
<td>63 533+509</td>
</tr>
<tr>
<td>2018</td>
<td>Oxford</td>
<td>92 16</td>
<td>108 38 8</td>
<td>46 41% 50%</td>
<td>43% 46 0</td>
<td>46 722</td>
</tr>
<tr>
<td>2016</td>
<td>Coimbra</td>
<td>65 14</td>
<td>79 26 9</td>
<td>35 40% 64%</td>
<td>44% 35 3</td>
<td>38 577 3 abstract</td>
</tr>
<tr>
<td>2014</td>
<td>Vienna</td>
<td>63 20</td>
<td>83 26 11</td>
<td>37 41% 55%</td>
<td>45% 37 3</td>
<td>40 525</td>
</tr>
<tr>
<td>2012</td>
<td>Manchester</td>
<td>103 12</td>
<td>116 32 10</td>
<td>42 31% 83%</td>
<td>36% 41 3</td>
<td>44 566 2 abstract</td>
</tr>
<tr>
<td>2010</td>
<td>Edinburgh</td>
<td>63 26</td>
<td>89 28 12</td>
<td>40 44% 46%</td>
<td>45% 43 0</td>
<td>43 532</td>
</tr>
<tr>
<td>2008</td>
<td>Sydney</td>
<td>81 17</td>
<td>98 26 13</td>
<td>39 32% 76%</td>
<td>40% 43 1</td>
<td>44 554 abstract</td>
</tr>
<tr>
<td>2006</td>
<td>Seattle</td>
<td>133 18</td>
<td>151 41 8</td>
<td>49 31% 44%</td>
<td>32% 50 3</td>
<td>53 677 2 abstract</td>
</tr>
<tr>
<td>2004</td>
<td>Cork</td>
<td>74 12</td>
<td>86 26 6</td>
<td>32 35% 50%</td>
<td>37% 36 0</td>
<td>36 491</td>
</tr>
<tr>
<td>2001</td>
<td>Siena</td>
<td>88 24</td>
<td>112 37 19</td>
<td>56 42% 79%</td>
<td>50% 58 1</td>
<td>59 705 abstract</td>
</tr>
</tbody>
</table>

**Avg 38% 61% 41%**
Number of Reviews Per Submission

The minimum number of reviews for a submission was 3.
The maximum number of reviews for a submission was 4.
The average number of reviews for a submission was 3.03.

The following diagram shows, for every \( n \) in \( (3,4) \) the number of submissions having \( n \) reviews.
Number of Submissions Per Author

The **maximum** number of submissions for an author was 4.
The **average** number of submissions for an author was 2.11.

The following diagram shows, for every $n$ in $\{1 \ldots 4\}$ the number of authors having $n$ submissions.
Number of Authors Per Submission

The **maximum** number of authors for a submission was 7.

The **average** number of authors for a submission was 2.56.

The following diagram shows, for every $n$ in (1 ... 7) the number of authors having $n$ submissions.
Invited speakers:
- Jeremy Avigad (Carnegie Mellon University, USA)  
  “Automated Reasoning for Mathematics”
- Laura Kovács (TU Wien, Austria)  
  “Induction in Saturation”
- Geoff Sutcliffe (University of Miami, USA)  
  “Stepping Stones in the TPTP World”

Special event:
- CASC anniversary celebration
IJCAR 2024 – Awards

- **Best paper award**
  Hugo Férée, Iris van der Giessen, Sam van Gool, and Ian Shillito
  “Mechanised Uniform Interpolation for Modal Logics K, GL, and iSL”

- **Best Student Paper Award**
  Johannes Niederhauser (with Chad E. Brown and Cezary Kaliszyk)
  “Tableaux for Automated Reasoning in Dependently-Typed Higher-Order Logic”

- **Herbrand Award**
  Armin Biere (Albert-Ludwigs-University Freiburg, Germany)

- **Bill McCune PhD Award**
  Katherine Kosaian (PhD at Carnegie Mellon University, Pittsburgh, USA)
  Thesis “Formally Verifying Algorithms for Real Quantifier Elimination”
IJCAR 2024 – Special Thanks to . . .

- IJCAR Steering Committee
- CADE Inc, especially Jürgen Giesl and Neil Murray
- IJCAR 2024 organizers: Didier Galmiche, Stephan Merz, and Christophe Ringeissen
- IJCAR 2024 workshop and competition organisers
- IJCAR 2024 workshop chair: Sophie Tourret
- IJCAR 2024 publicity chair: Peter Lammich
- Local contact at IDMC: Laurent Vigneron
- IJCAR 2024 PC
- EasyChair
- All reviewers
- All invited speakers: Jeremy Avigad, Laura Kovács, Geoff Sutcliffe
- All speakers
- All authors of submitted papers
- All participants
- Inria and Université de Lorraine