CADE-28

PC Chairs' Report

Geoff Sutcliffe[1] *   André Platzer[2]

[1]University of Miami

[2]Carnegie Mellon University

15th July 2021

Organization (1/4)

- ▶ PC Chairs : André Platzer & Geoff Sutcliffe
- ▶ Conference Chairs : Marijn Heule & André Platzer
- ▶ Workshop and Tutorial Chair : Alexander Steen
- ▶ Publicity Chair : Sophie Tourret

Organization (2/4)

Workshops

- ▶ Theorem Proving Components for Educational Software (ThEdu'21) João Marcos, Walther Neuper, Pedro Quaresma

- ▶ Proof eXchange for Theorem Proving (PxTP) Chantal Keller, Mathias Fleury

- ▶ Parallel and Distributed Automated Reasoning (PDAR) Giles Reger, Antti Hyvärinen, Anton Wijs

- ▶ 17th International Workshop on Termination (WST 2021) Samir Genaim

- ▶ Logical Frameworks and Meta-Languages : Theory and Practice (LFMTP) Elaine Pimentel, Enrico Tassi

- ▶ Automated Reasoning : Challenges, Applications, Directions, Exemplary Achievements (ARCADE) Martin Suda, Sarah Winkler

Organization (3/4)

Tutorials

- ▶ Program Validation and Verification in PVS
  Paolo Masci, Mariano Moscato, César Munoz, Aaron Dutle,
  Tanner Slage

- ▶ Practice of First-Order Reasoning
  Stephan Schulz, Adam Pease, Geoff Sutcliffe

- ▶ Learning to Prove : Machine Learning for Better SAT and QSAT
  Solvers
  Sean Holden

- ▶ Proof-Theoretical Analysis of Non-Fregean Logic
  Szymon Chlebowski, Marta Gawek, Dorota Leszczyńska-Jasion,
  Agata Tomczyk

Organization (4/4)

Competitions

▶ Termination and Complexity Competition (termCOMP)
Akihisa Yamada

▶ The CADE-28 ATP System Competition (CASC-28)
Geoff Sutcliffe, Martin Desharnais

Invited speakers

- ▶ Non-well-founded Deduction for Induction and Coinduction
  Liron Cohen
- ▶ Formal Reasoning about Decentralized Financial
  Applications
  Mooly Sagiv
- ▶ Computational Law : Automated Reasoning in the Legal
  Domain
  Guido Governatori
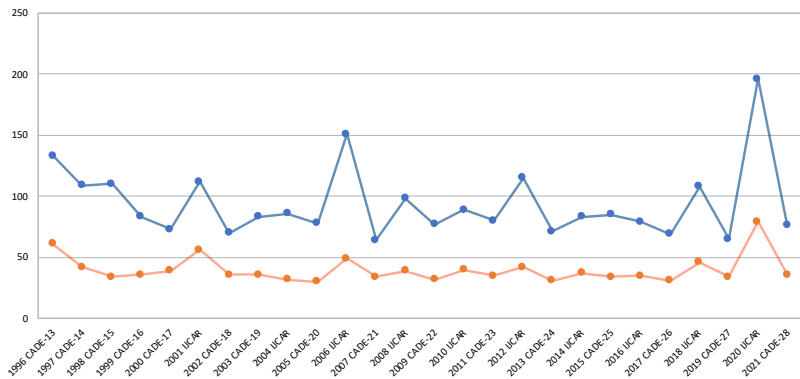- ▶ Towards the Automatic Mathematician
  Markus Rabe

Submissions and Reviews

- ▶ 76 submissions, 36 accepted
  - ▶ 59 full papers, 29 accepted
  - ▶ 4 short papers, 0 accepted [†]
  - ▶ 13 system descriptions, 7 accepted
- ▶ 43 PC members, 66 external reviewers
- ▶ Reviewing with rebuttal
- ▶ 3 or more reviews per papers
- ▶ EasyChair and email for refereeing and PC discussion

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†. We recommend removing this category.
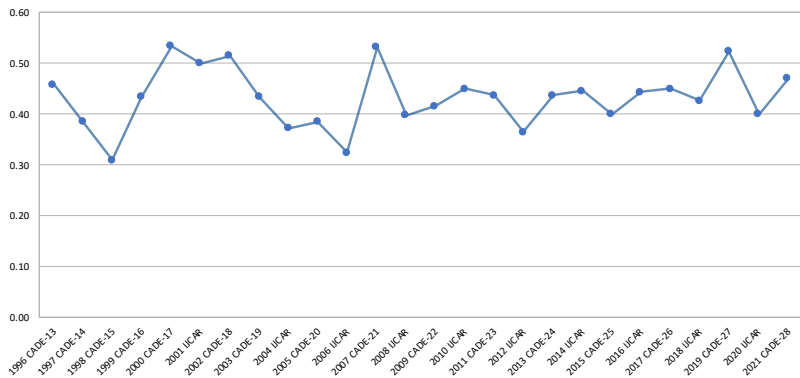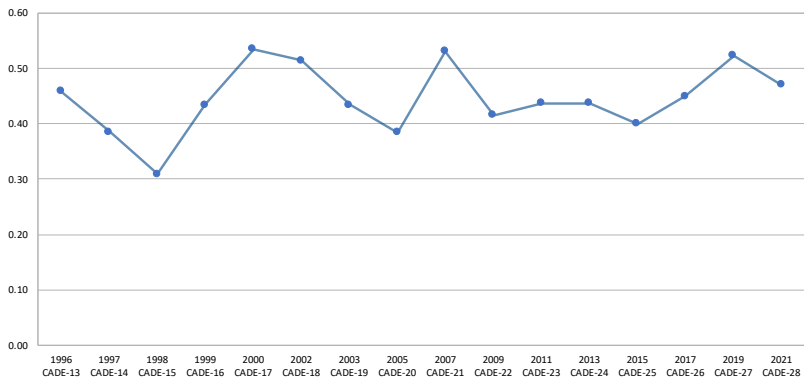
Submitted/Accepted Papers since 1996

Submitted/Accepted Papers since 1996 (CADE only)

Ratio of Accepted Papers since 1996

Ratio of Accepted Papers since 1996 (CADE only)

Geographical Stats

Papers (by Authors)

Country	
Germany	8.1
United States	5.2
France	3.5
Austria	3.1
Netherlands	2.6
Czechia	2.0
Italy	2.0
United Kingdom	1.7
Australia	1.3
China	1.0
Canada	1.0
Estonia	1.0
Sweden	1.0
Japan	1.0
Poland	0.7
Qatar	0.5
Brazil	0.3
Russia	0.3
18	36

PC

Country	
Germany	9
United States	6
France	5
Austria	4
United Kingdom	3
Sweden	3
Italy	3
Australia	2
Czechia	2
Japan	2
Netherlands	1
China	1
Estonia	1
Brazil	1
Belgium	1
Kazakhstan	1
16	43

JAR Special Issue

- ▶ JAR special issue
- ▶ Extended versions of CADE-28 papers
- ▶ By invitation for selected papers
- ▶ Invitations after CADE-28 is over

Open Access

- ▶ Everyone wants free stuff, but there is no free stuff
- ▶ Alfred Hofmann $\rightarrow$ Ronan Nugent
- ▶ Marijn $\rightarrow$ Armin & others $\rightarrow$ Ronan $\rightarrow$ Open Access
- ▶ There is no free stuff, but there is long term stuff
- ▶ Long term $\rightarrow$ Business Meeting $\rightarrow$ CADE Trustees

ACM SIGLOG

- ► CADE-28 is In Cooperation with ACM SIGLOG
- ► Automated Deduction is a crucial part of Logic
- ► For CADE-28, thanks to André
- ► Long term $\rightarrow$ Business Meeting $\rightarrow$ CADE Trustees

Thanks !

- ▶ Authors
- ▶ PC and Subreviewers
- ▶ Invited Speakers
- ▶ Workshop/Tutorial/Competition Organizers
- ▶ Conference Chair : Marijn Heule
- ▶ Workshop/Tutorial/Competition Chair : Alex Steen
- ▶ Publicity Chair : Sophie Tourret
- ▶ Pascal Fontaine (for lots of useful advice)
- ▶ CADE Trustees & AAR Board
- ▶ Staff at Springer (Ronan Nugent, Miriam Costales, Neelakandan Paramasivam)
- ▶ EasyChair Team
- ▶ Sponsors (see the Conference Chair's report)
- ▶ Participants - **You !**