



CADE-27 PC Chair Report

Pascal Fontaine

Université de Lorraine, Inria, Loria

Natal, 29 August 2019

Organization (1/3)

- ▶ PC Chair : Pascal Fontaine
- ▶ Conference Chair : Elaine Pimentel
- ▶ Local organization :
 - ▶ João Marcos, Cláudia Nalon,
Carlos Olarte, and Giselle Reis + Volunteers
- ▶ Workshop and Tutorial Chair : Giles Reger
- ▶ Publicity Chair : Geoff Sutcliffe

Organization (2/3)

Workshops

- ▶ Automated Reasoning : Challenges, Applications, Directions, Exemplary Achievements (ARCADE)
Martin Suda, Sarah Winkler
- ▶ Deduction Mentoring Workshop (DeMent)
Jasmin Blanchette, Laura Kovacs, Martin Suda
- ▶ Logical and Semantic Frameworks, with Applications (LSFA)
Amy Felty, João Marcos
- ▶ Proof eXchange for Theorem Proving (PxTP)
Haniel Barbosa, Giselle Reis
- ▶ Theorem Prover Components for Educational Software (ThEdu)
João Marcos, Walther Neuper, Pedro Quaresma

Organization (3/3)

Tutorials

- ▶ Cláudia Nalon : Machine Oriented Reasoning
- ▶ Carlos Olarte : Building Theorem Provers Using Rewriting Logic
- ▶ Giselle Reis : Intuitionistic Logic
- ▶ Jens Otten : Build Your Own First-Order Prover (full day)

Competition

- ▶ The CADE ATP System Competition (CASC-27)
Geoff Sutcliffe, assisted by Josef Urban (LTB division)

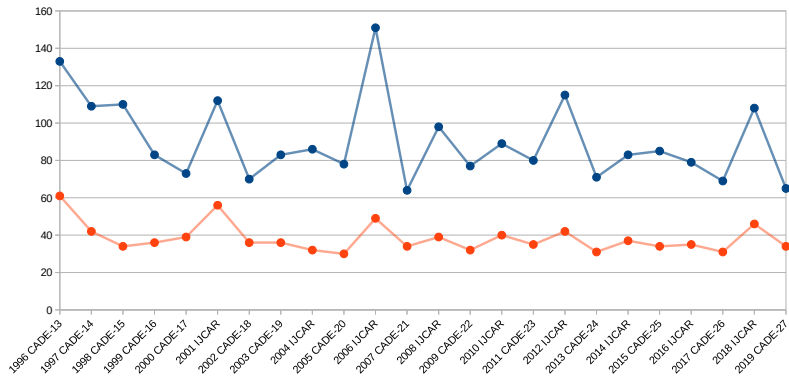
Invited speakers

- ▶ Cas Cremers : Automated Reasoning for Security Protocols
- ▶ Assia Mahboubi : Computer Deduction and (Formal) Proofs in Mathematics
- ▶ Cesare Tinelli : From Counter-Model-based Quantifier Instantiation to Quantifier Elimination in SMT

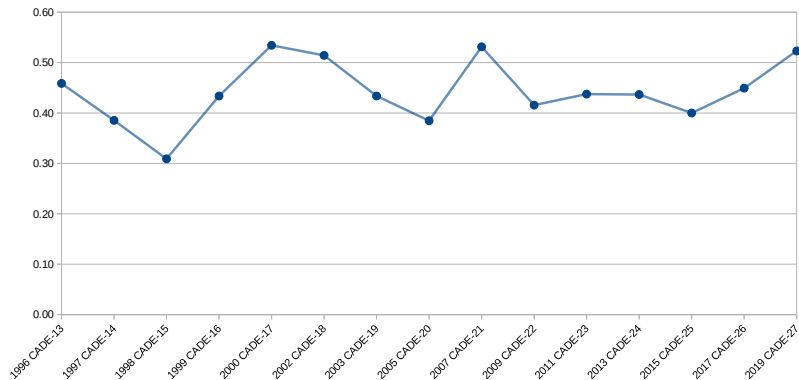
Submissions and Reviews

- ▶ 65 submissions (82 abstracts), 34 accepted
 - ▶ 52 regular papers, 27 accepted
 - ▶ 12 system papers, 7 accepted
- ▶ 42 PC members, 77 external reviewers
- ▶ reviewing process with rebuttal, no sub-scoring, except “reproducibility”
- ▶ 3 reviews per papers (sometimes with a meta-review)
- ▶ EasyChair and Email for refereeing and PC discussion
- ▶ Conditional acceptance

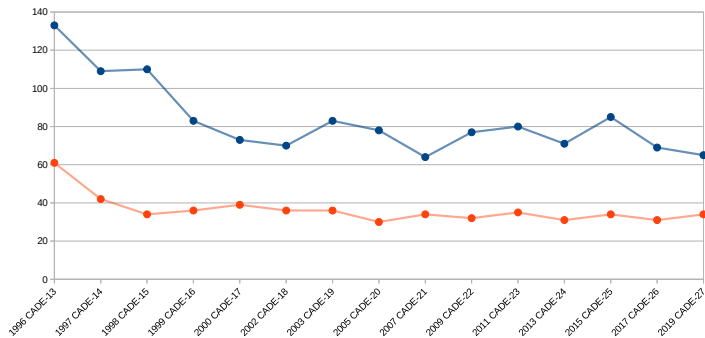
Submitted/Accepted Papers since 1996



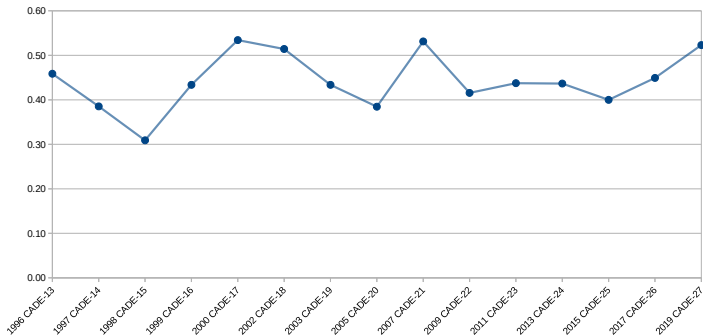
Ratio of Accepted Papers since 1996



Submitted/Accepted Papers since 1996 (CADE only)



Ratio of Accepted Papers since 1996 (CADE only)



Geographical Stats

PC		Papers	
United States	8	United States	7.5
Germany	8	Germany	5.9
Austria	5	United Kingdom	4.58
United Kingdom	4	Czechia	2.6
Brazil	3	Austria	2.45
Italy	3	Italy	2
France	2	Argentina	1
Sweden	2	Australia	1
Argentina	1	Estonia	1
Australia	1	Spain	1
Czechia	1	Netherlands	0.93
Japan	1	China	0.83
Kazakhstan	1	France	0.7
Netherlands	1	Brazil	0.5
Norway	1	Canada	0.5
<hr/>		Japan	0.5
15	42	Norway	0.5
		Switzerland	0.5
		<hr/>	
		18	34

Thanks !

- ▶ Conference Chair : Elaine Pimentel
- ▶ Local Organizers :
 - ▶ João Marcos, Cláudia Nalon,
Carlos Olarte, and Giselle Reis
- ▶ All the Volunteers

Thanks !

- ▶ PC Members and External Reviewers
- ▶ Workshop and Tutorial Chair : Giles Reger
- ▶ Workshop Organizers and the PC Members for the workshops
- ▶ CASC Organizer : Geoff Sutcliffe, and Josef Urban for LTB
- ▶ Publicity Chair : Geoff Sutcliffe
- ▶ Tutorial Speakers
- ▶ Authors of all papers and speakers
- ▶ Participants at CADE, workshops and tutorials
- ▶ Invited Speakers
- ▶ Trustees for helpful advice
- ▶ Christoph, Daniel, Jasmin, Haniel, Hans-Jörg, Maria-Paola, Philipp, Renate, and Roberto

Thanks !

► Sponsors !

(+ organizers for finding them and PC members for support)



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► Easychair