

# QCRYPT 2023

## PC Chair report



Christian Schaffner  
University of Amsterdam, QuSoft



PC primary chair (theory)



Giuseppe Vallone  
University of Padova



PC co-chair (experiment)

# Timeline

from <https://2023.qcrypt.net/call/>

- Talk submission deadline: 12 April 2023, 16:00 CET
- Paper bidding: Thu, 13 April - Fri, 14 April 2023
- Reviews due by: Fri, 19 May 2023
- Discussion phase: Mon, 22 May - Wed, 14 June
- Talk notification: Wed, 21 June
- Poster deadline: Fri, 30 June 2023, 16:00 CET
- Poster decisions: Sat, 8 July
- Conference: 14 - 18 Aug 2023



# Program Committee Members

29 members: 14 Europe, 7 Asia, 7 America, 1 Africa

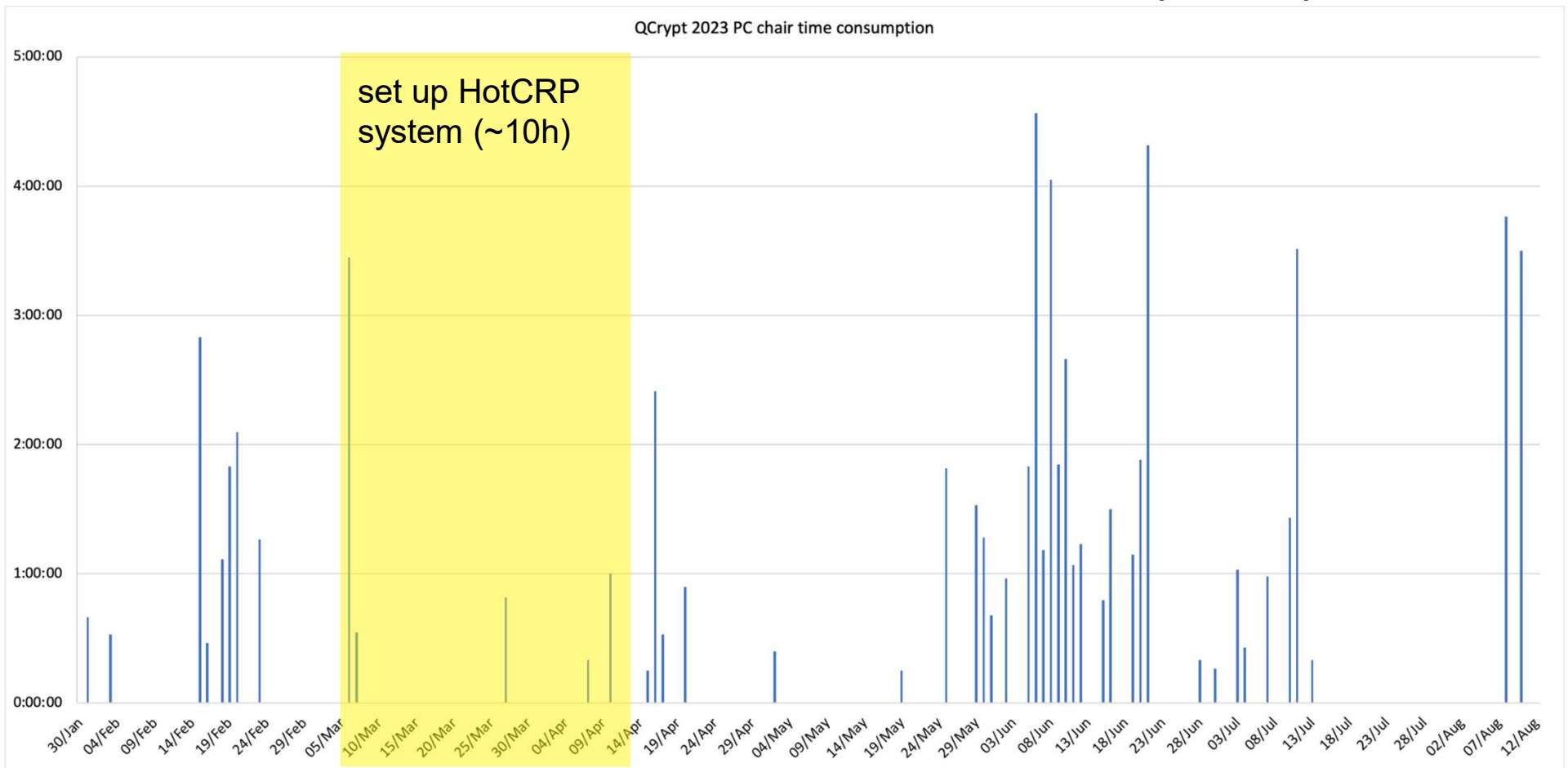
- James Bartusek (UC Berkeley, US)
- Mario Berta (RWTH Aachen University, DE)
- Anne Broadbent (University of Ottawa, CAN)
- Ivo Pietro Degiovanni (INRIM and EURAMET EMN-Q, IT)
- Eleni Diamanti (CNRS and Sorbonne Université, FR)
- Frederic Dupuis (Université de Montréal, CA)
- Tobias Gehring (Technical University of Denmark, DK)
- Christian Kurtsiefer (National University of Singapore, SG)
- Paul Kwiat (University of Illinois Urbana-Champaign, US)
- Alexander Ling (National University of Singapore, SG)
- Charles Lim (JPMorgan Chase & Co., US/SG)
- Yang Liu (Jinan Institute of Quantum Technology, CN)
- Giulio Malavolta (Max Planck Institute for Security and Privacy, DE)
- Carl Miller (NIST and University of Maryland, US)
- Isaac Nape (University of the Witwatersrand, SA)

A Guide for New PC Members at  
Theoretical Computer Science Conferences  
<https://arxiv.org/abs/2105.02773>

Big thanks 🙏 to previous QCrypt PC chairs:  
**Charles Lim, Carl Miller, Fred Dupuis !**

- Stefano Pironio (Université libre de Bruxelles, BE)
- Valerio Pruneri (ICFO and ICREA, ES)
- Davide Rusca (University of Vigo, ES)
- Or Sattath (Ben-Gurion University, IL)
- Christian Schaffner (**chair**, U of Amsterdam, QuSoft, NL)
- Fang Song (Portland State University, US)
- Florian Speelman (University of Amsterdam, QuSoft, NL)
- Marco Tomamichel (National University of Singapore, SG)
- Dominique Unruh (University of Tartu, EE)
- Vladyslav Usenko (Palacky University Olomouc, CZ)
- Giuseppe Vallone (**co-chair**, U of Padova, IT)
- Takashi Yamakawa (NTT Social Informatics Laboratories, JP)
- Zhiliang Yuan (Beijing Academy of Quantum Information Sciences, CN)
- Zheshen Zhang (University of Michigan, US)

# Timeline and Personal Time Consumption (~80h)



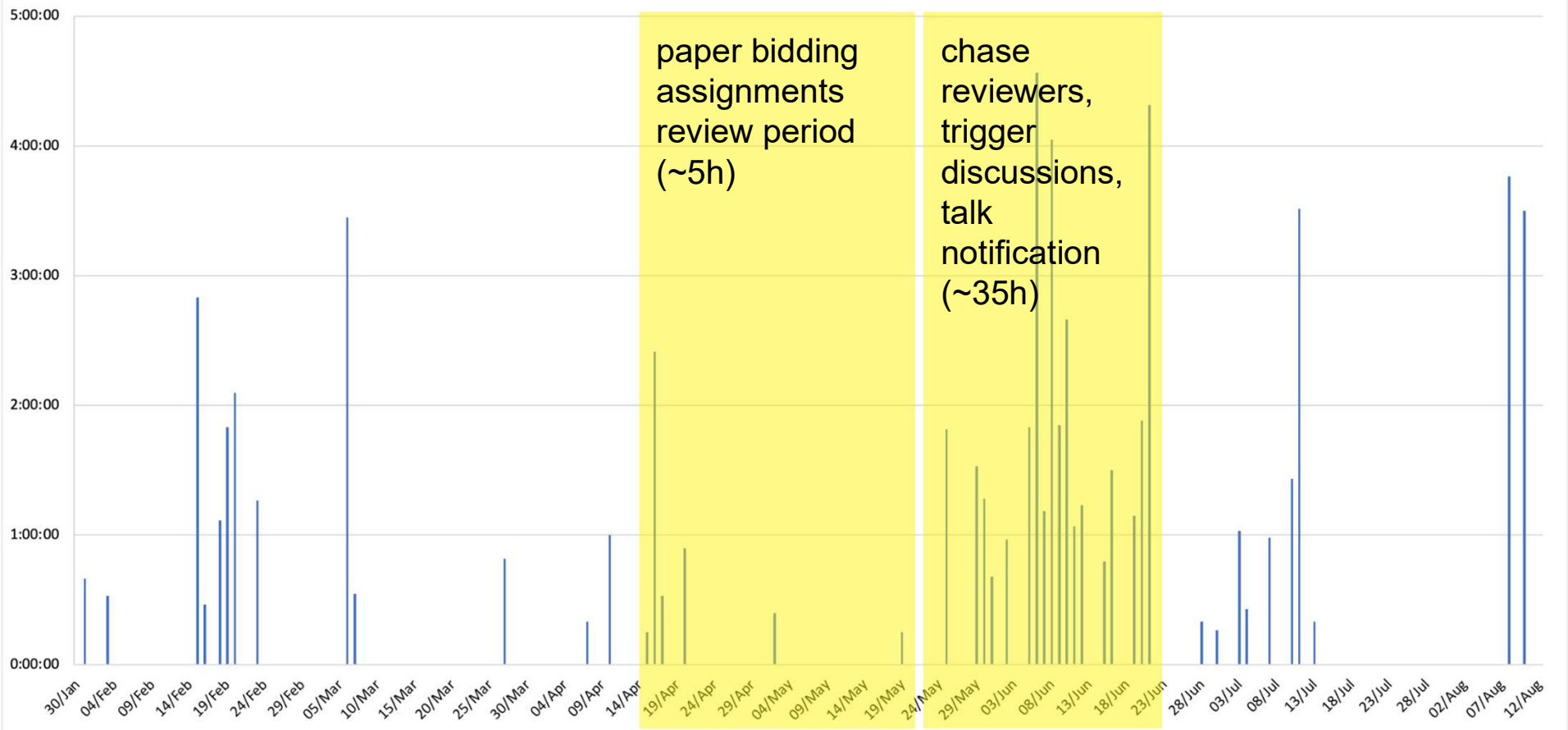
# Submission Process

- Asked to accept around 33 contributed talks
- Used <https://hotcrp.com/> software, worked really well  
Thanks 🙏 to University of Amsterdam for hosting it!
- Received 106 talk submissions:  
73 #theory and 36 #experiment, some both, some none
- Asked authors to classify their submission into topics:
  - theory (67)
  - post-quantum cryptography (16)
  - beyond QKD (19)
  - device independence (17)
  - QKD theory (27)
  - experiment (27)
  - photonic integration (9)
  - QKD implementation (33)
  - random-number generation (10)

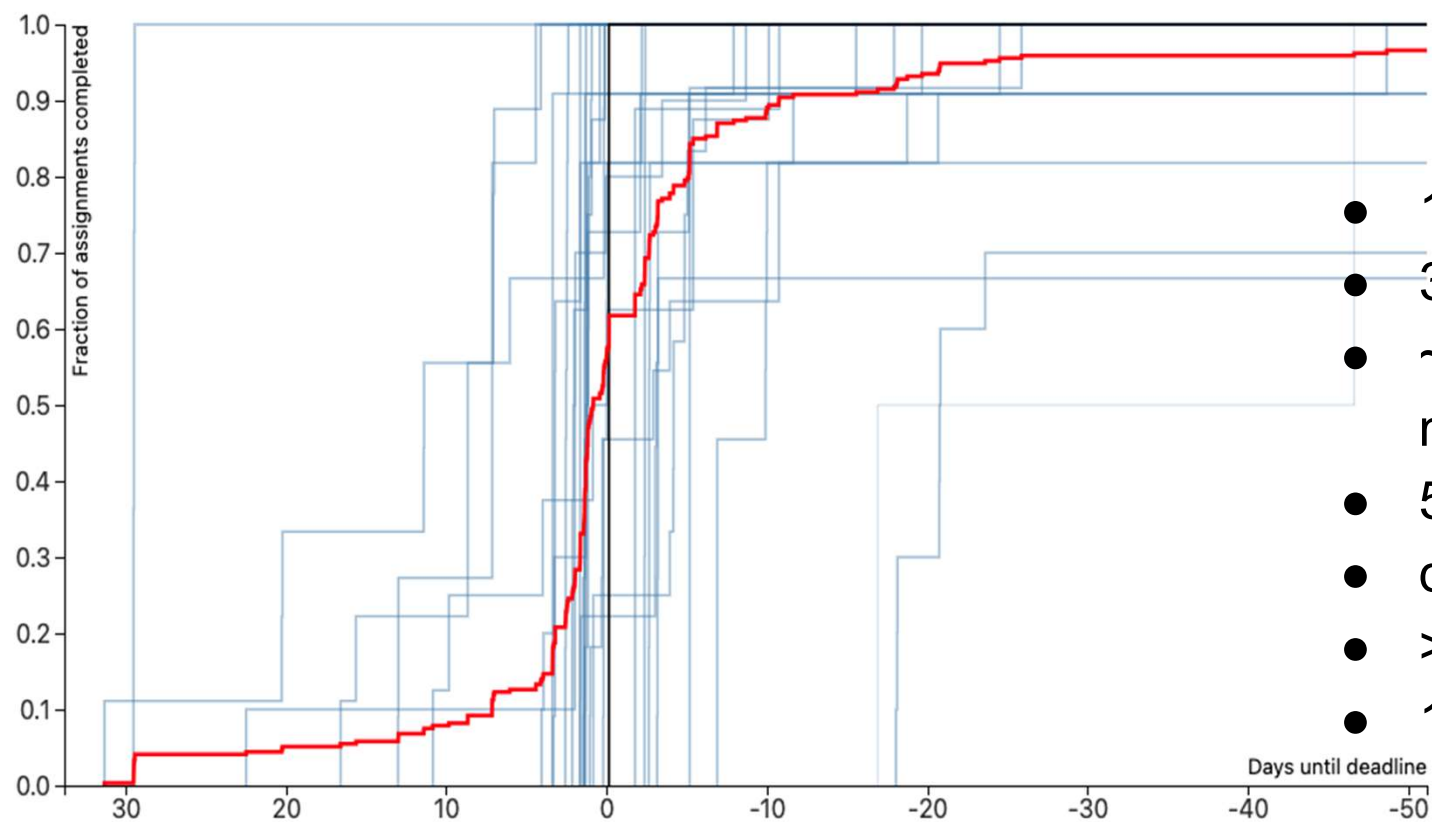


# Timeline and Personal Time Consumption (~80h)

QCrypt 2023 PC chair time consumption



# PC Procrastination Graph



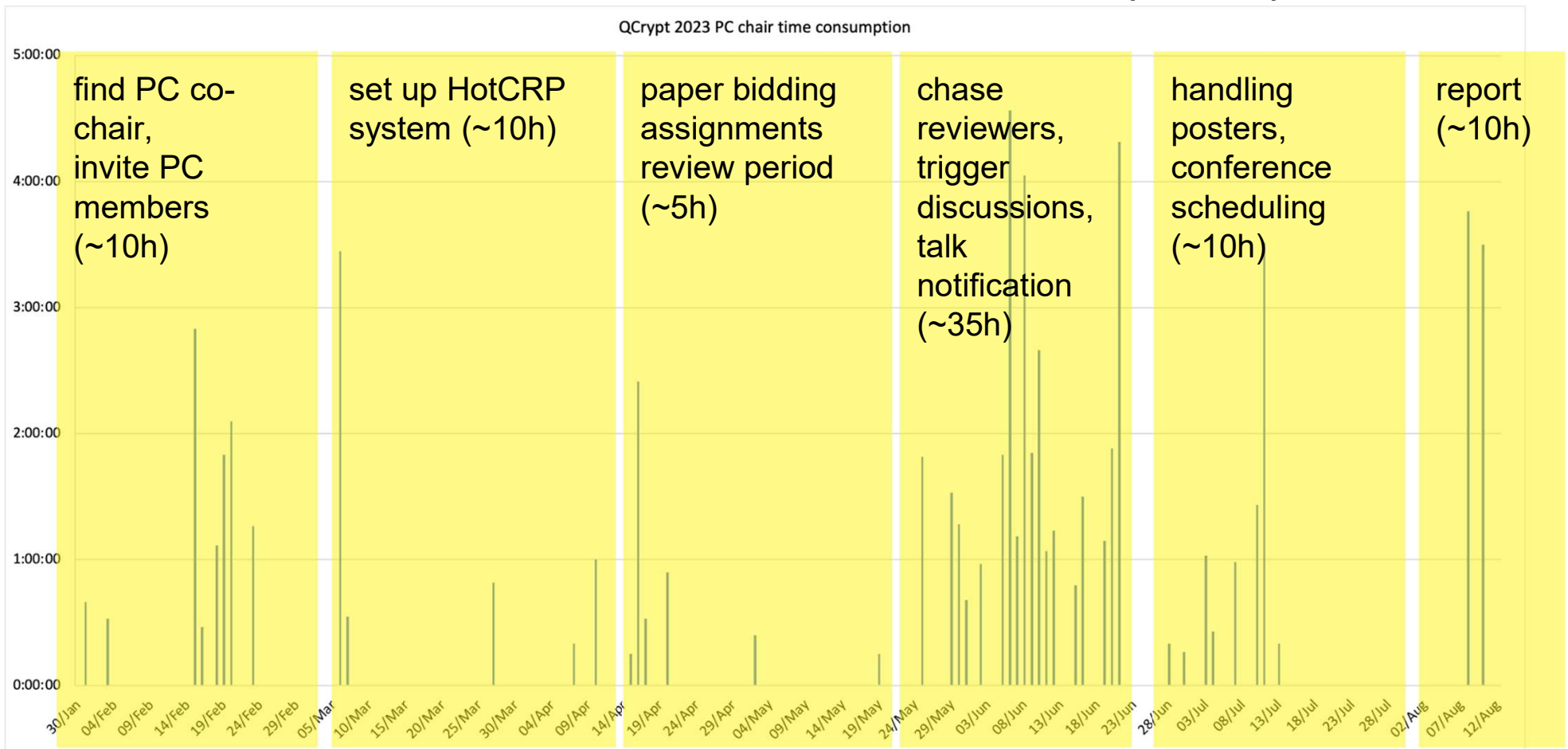
- 106 talk submissions
- 3 reviews per submission
- ~12 submissions per PC member
- 56 external reviewers
- discussion leaders
- >450 discussion comments
- 14 e-mails to all PC



# Outcomes

- Accepted: 33 contributed talks, of which 3 as mergers of 2 submissions each (36 out of 106 = 34% overall acceptance rate)
  - #theory: 23 out of 73 (31% acceptance rate)
  - #experiment: 18 out of 36 (50% acceptance rate)
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- Additional poster submissions: 58
  - Total number of accepted posters: 104  
(but quite a few had to cancel due to visa issues)

# Timeline and Personal Time Consumption (~80h)



Big thanks 🙏 to all PC members and external reviewers