



Welcome!

**The 40th IEEE/ACM International Conference on
Automated Software Engineering**

16-20 November 2025 | Seoul, Republic of Korea

Welcome to Seoul, ASE!

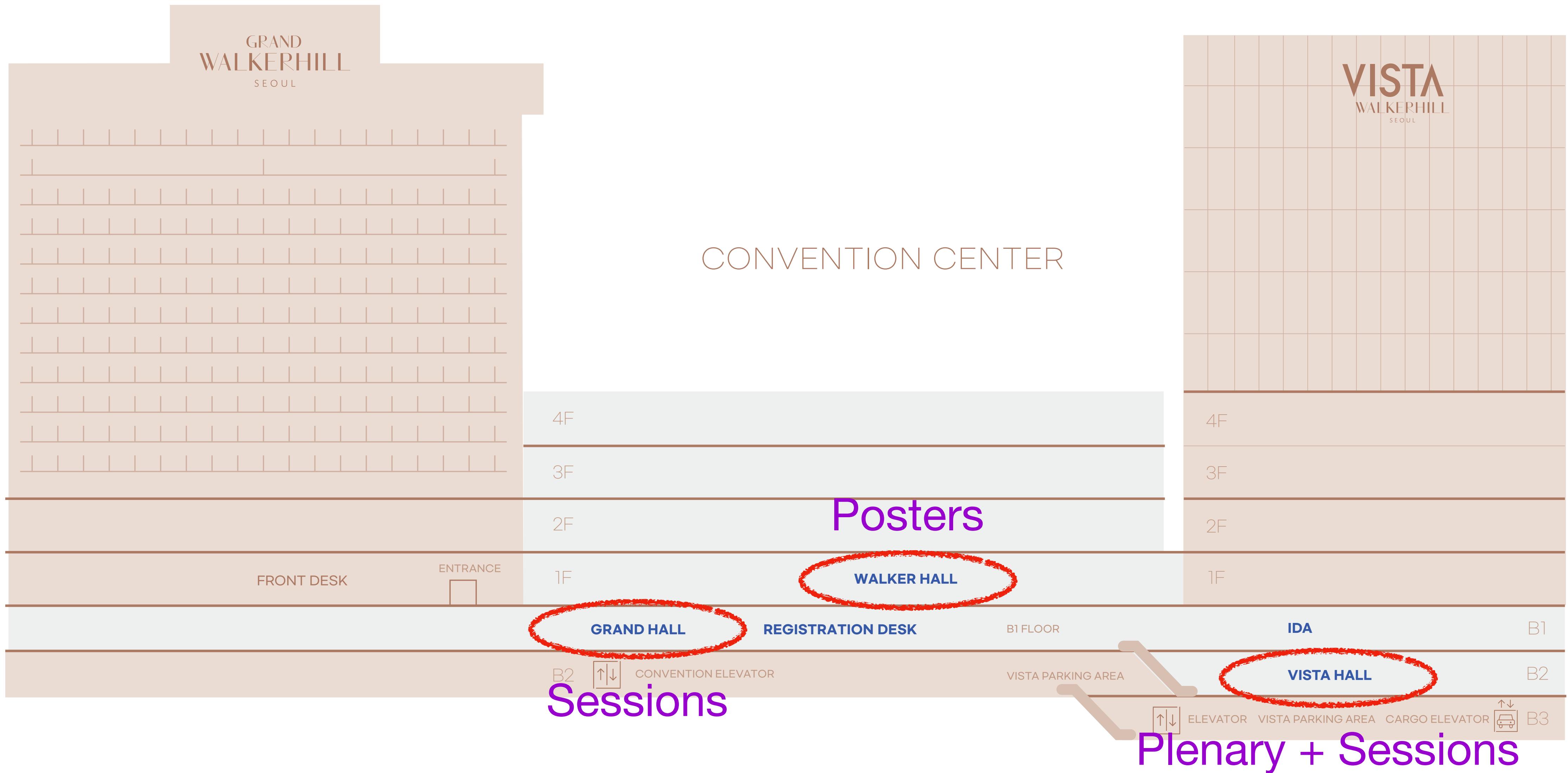


Grand Walkerhill Seoul

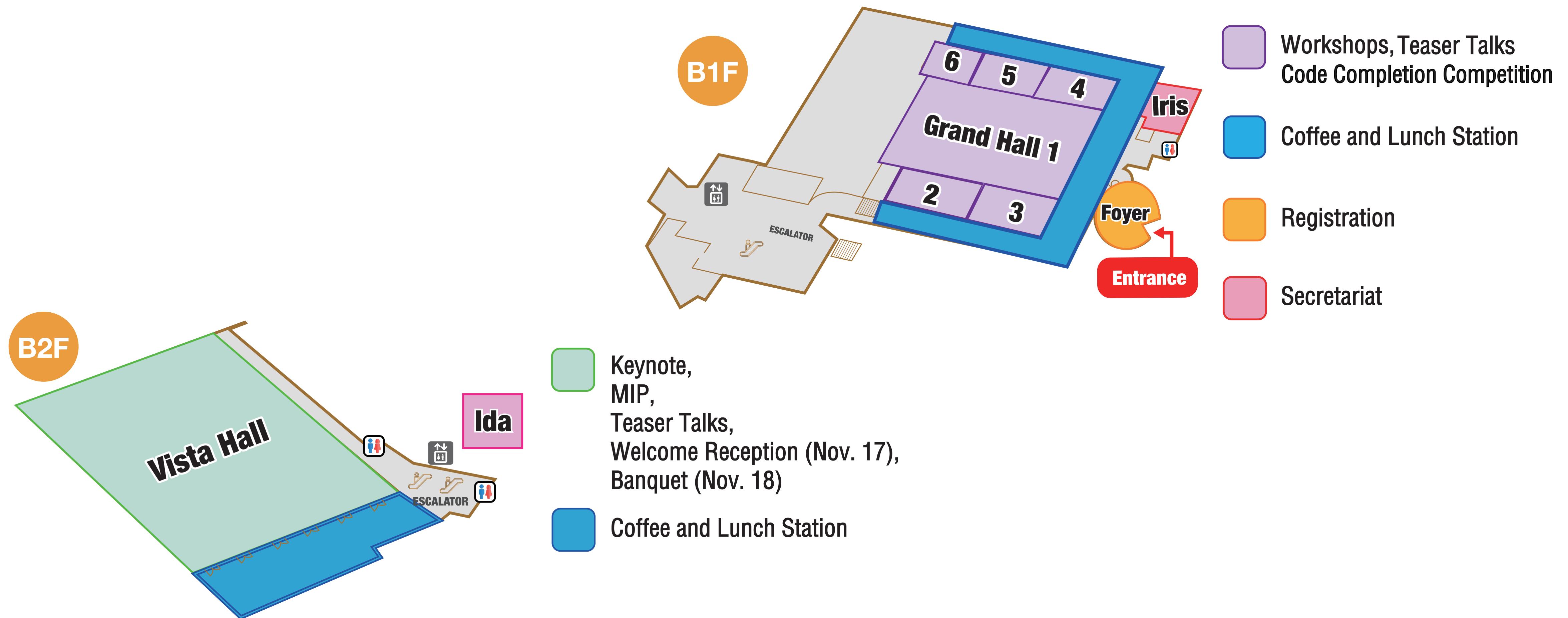
1 Plenary Room
1 Poster Hall
6 Session Rooms



Rooms



Rooms



※ The Prayer Room and Quiet Room are located in Ida Room 1,2 (next to Vista Hall, B2F).

Keynotes



Thomas Reps
U. of Wisconsin-Madison

17th



Cristina Cifuentes
Oracle

18th

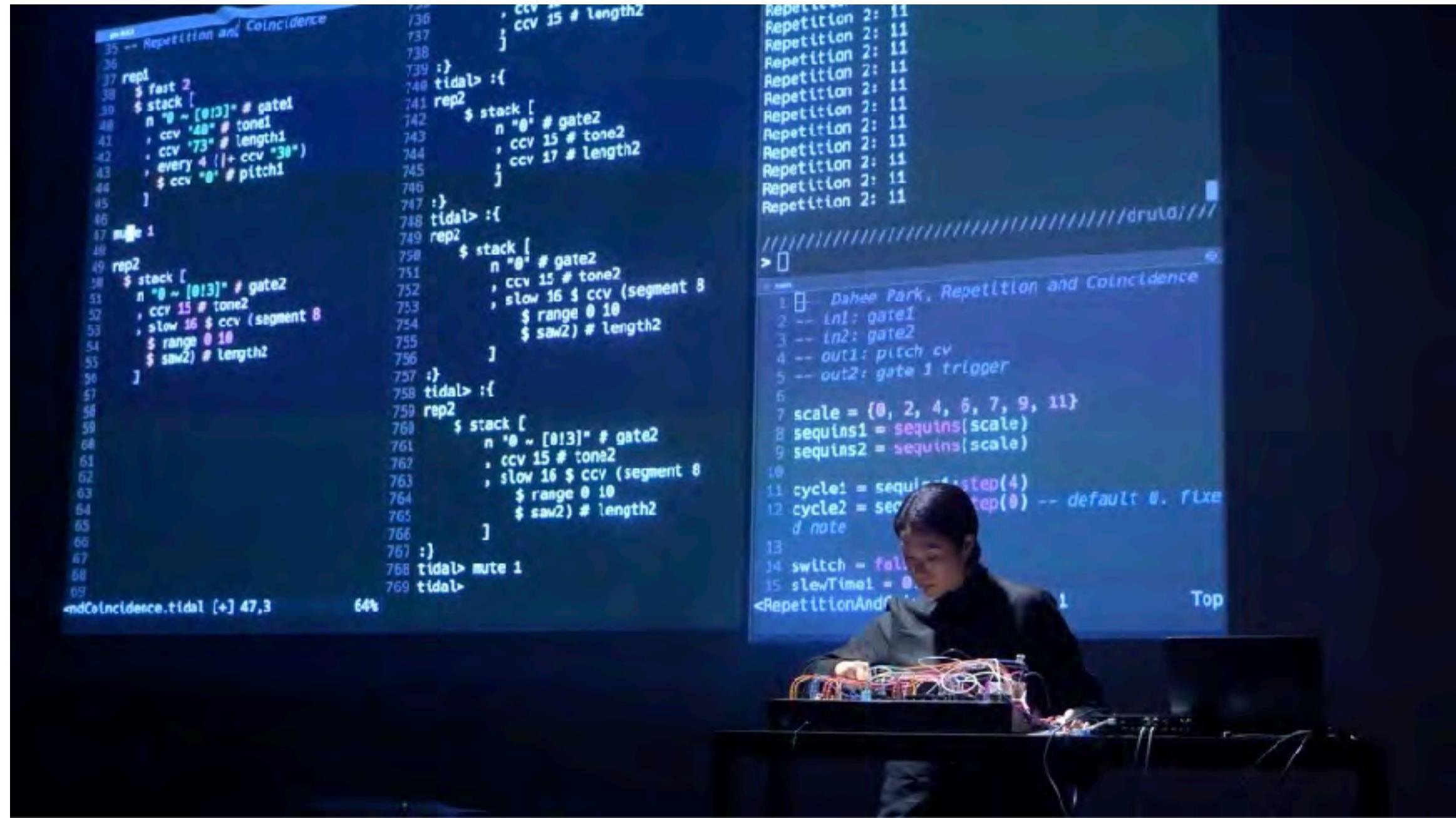


Taesoo Kim
GeorgiaTech

19th

Reception & Banquet

Both in Vista Hall | Monday & Tuesday 18:30~



Welcome Reception (17th)
Buffet + Drinks

Livecoding Performance by Dahee Park



Conference Banquet + Awards (18th)
6 Course Korean

Traditional Korean Music by Seoyoon Jang

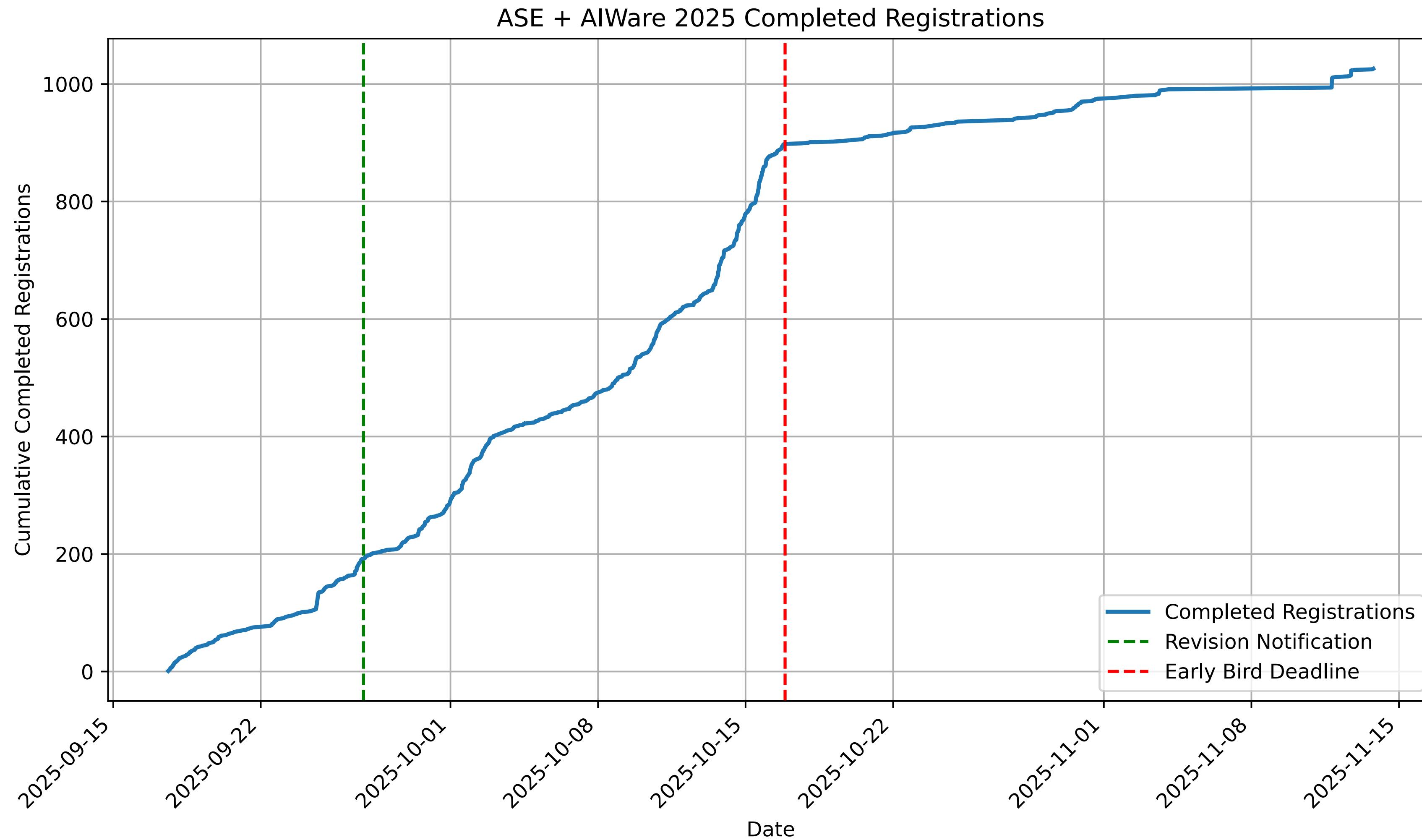


ASE XIL

40th = eXtra Large

“I was there” Competition
Bring your oldest ASE memorabilia to registration desk!

Registrations



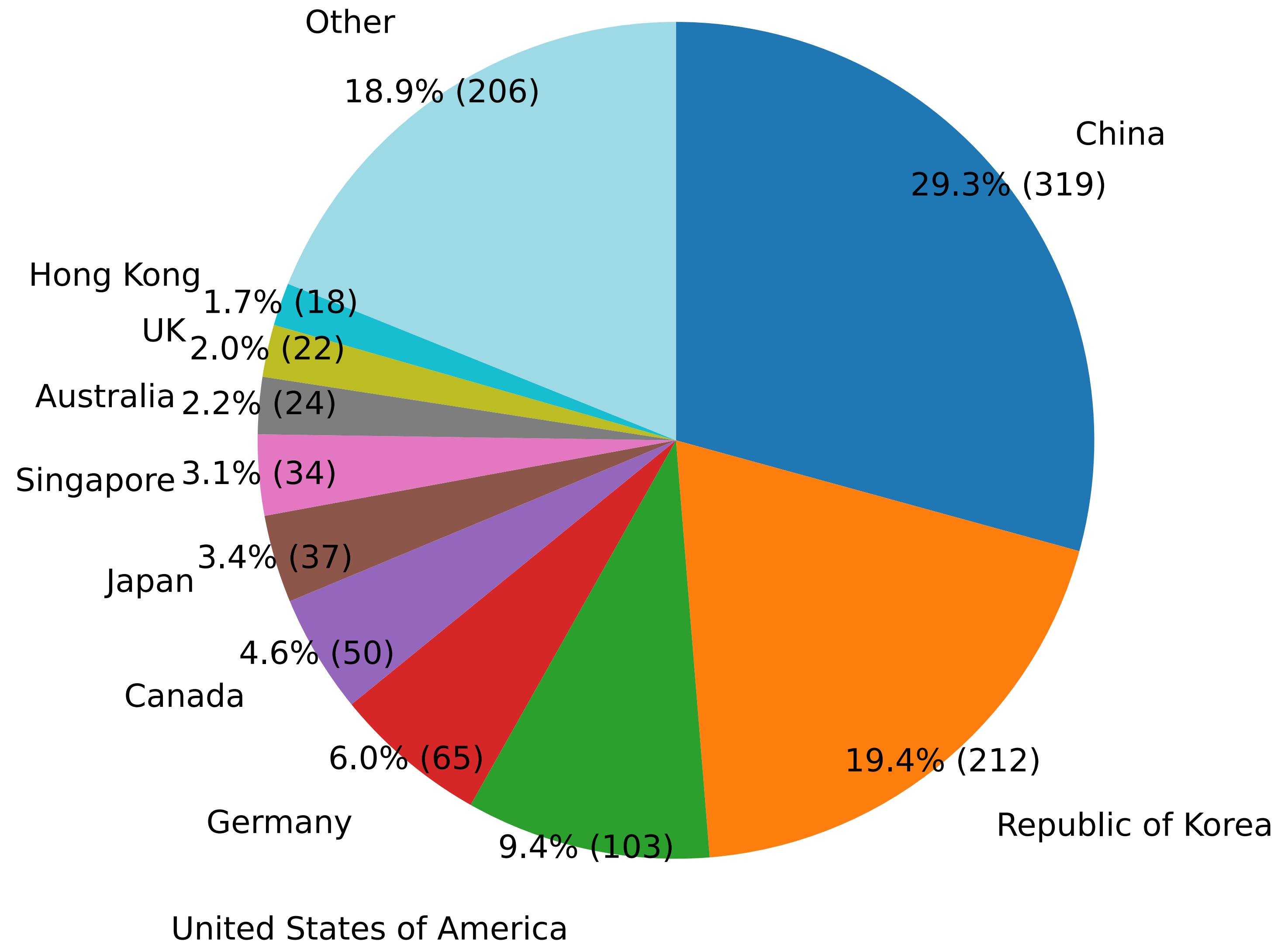
985+ Participants

436 Presentations

ASE 2025 Participants by Country

Registrations

50 Unique Countries



Poster-First ASE

How do we keep growing without sacrificing quality of events?



Walker Hall

Posters for all talks given on that day will be on display throughout the day.

Authors will be around to discuss the posters from 15:30 to 18:00.

Program

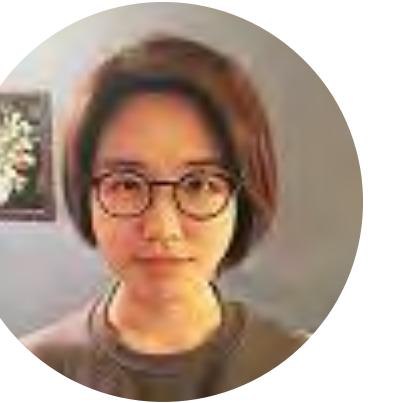
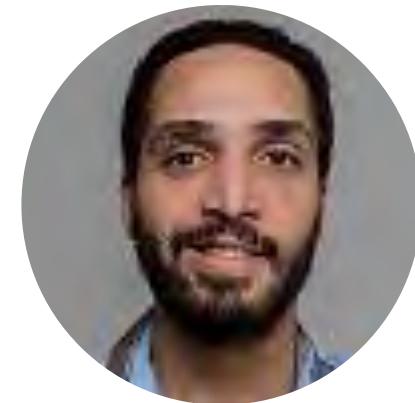


	Session	Poster
09:00-09:30	Opening / MIP	Posters for that Day
09:30-10:30	Keynote	
10:30-11:00	Coffee/Tea	
11:00-12:30	Research/JF	
12:30-14:00	Lunch	
14:00-15:30	Research/JF	
15:30-16:00	Coffee/Tea	
16:00-17:00	Industry/NIER	
17:00-18:00		

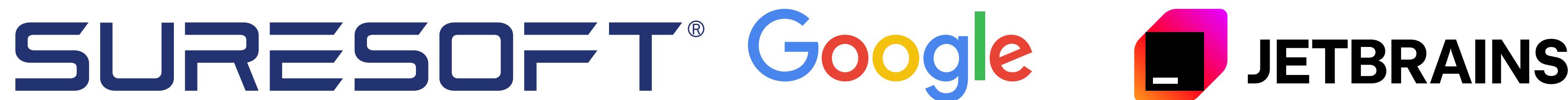
**Today:
Newcomers' Lunch
Bring your lunch to GH1**



Organising Committee



Sponsors



A Big Thank You to...



- PC Members in Various Tracks & Workshops
- Student Volunteers
- Our Professional Conference Organisers, Genicom
- ...and ALL Participants!



Now for something completely
different...







40th International Conference on Automated Software Engineering

Grand Walkerhill Seoul
17 - 20 November 2025

<https://conf.researchr.org/home/ase-2025>

Intro from the Program Chairs



Marcel Böhme
MPI for Security and Privacy
Germany



Lingming Zhang
University of Illinois
Urbana-Champaign, USA

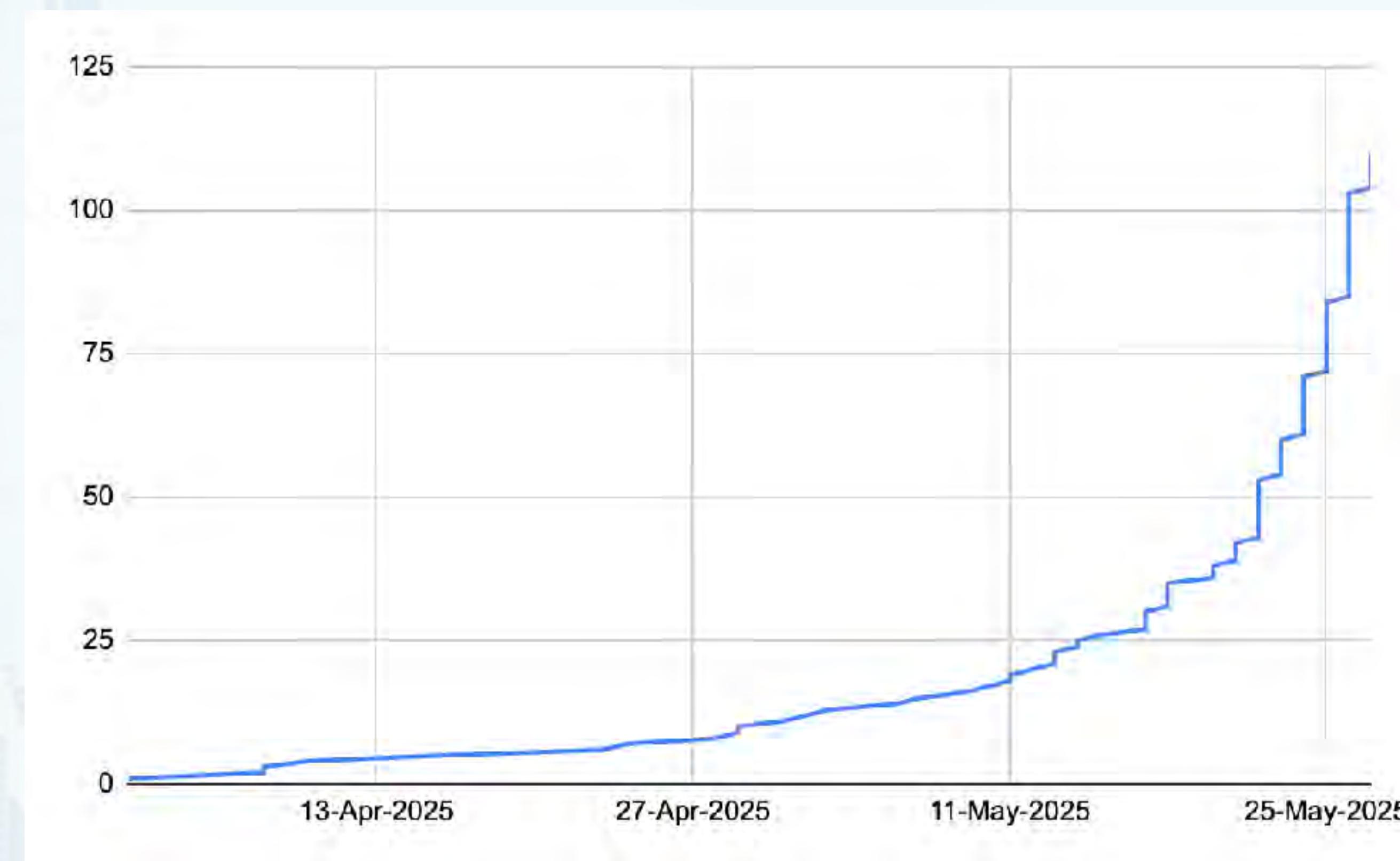
Review Process: Selection and Onboarding

- First round (first invitations 5 months before deadline)
 - 12 Area Chairs (AC):
 - World experts in 8 subject areas. Larger areas have multiple ACs (e.g., AI and SE)
 - Broadening Participation: Maximizing diversity in all aspects.
 - 260 Program Committee (PC) members:
 - World experts selected from self-nominations, AC-nominations, previous ASEs
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 - Review Process Slides: <https://tinyurl.com/ase25-process>
 - PC/AC Welcome meetings (Optional):
 - 1x In-person @ ICSE'25 (Ottawa)
 - 2x Virtual @ Zoom
 - TPMS (Auto-bidding System)

Review Process: Selection and Onboarding



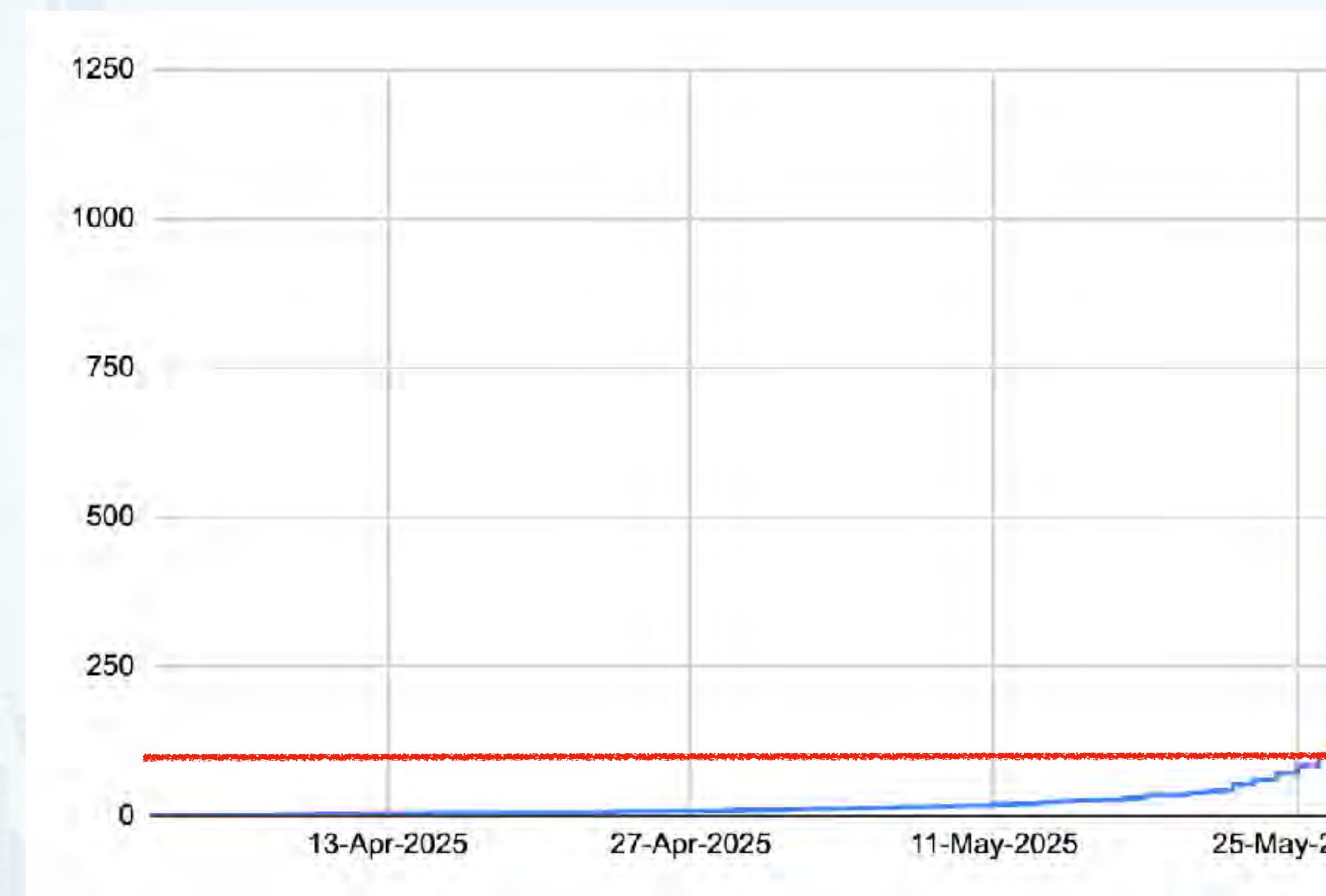
BTW: I think the number of submission is going to be huge.

- We already have 110 submission 3 days before deadline.

(edited)

 43 replies Last reply 5 months ago

Review Process: Selection and Onboarding



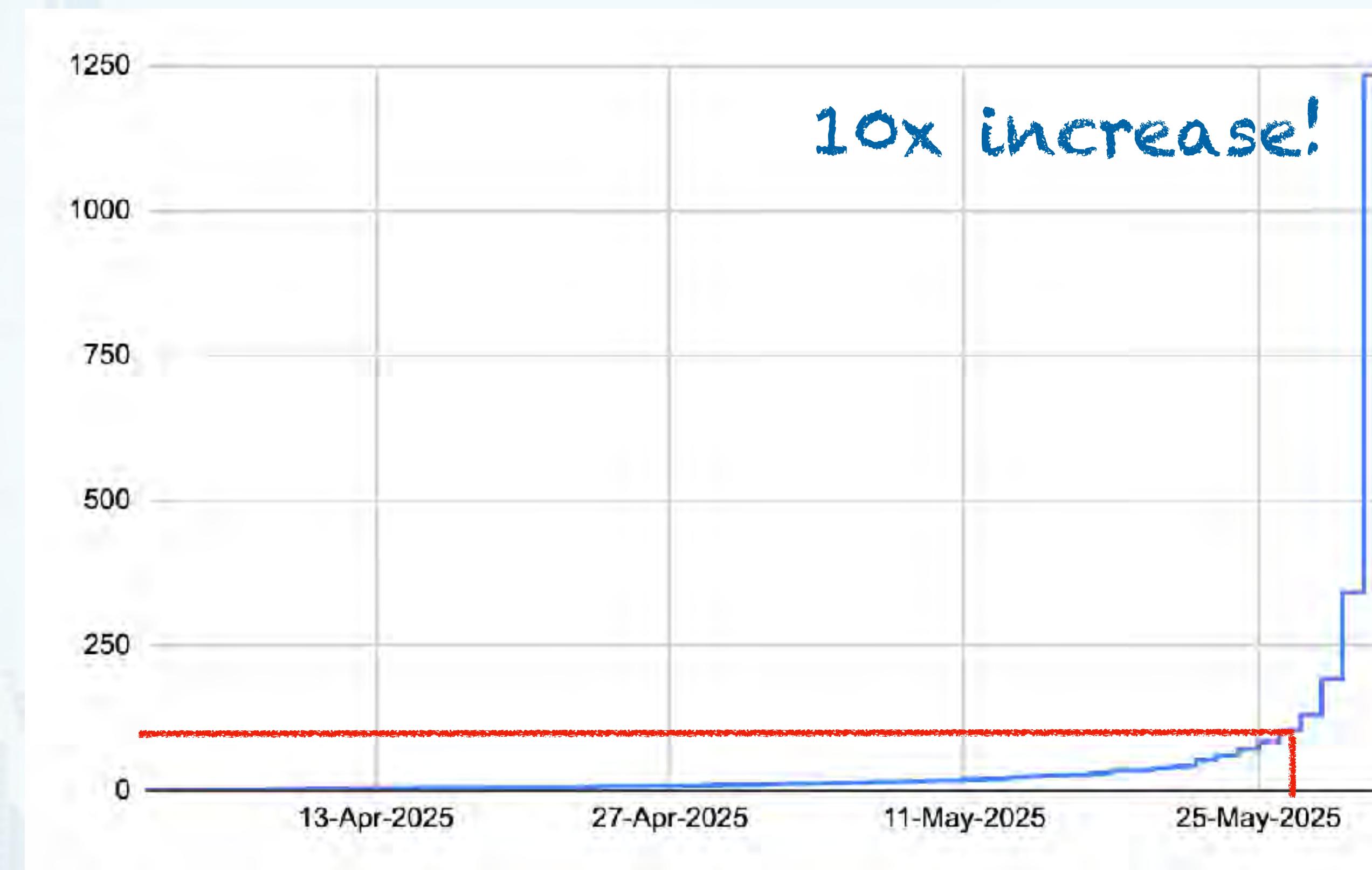
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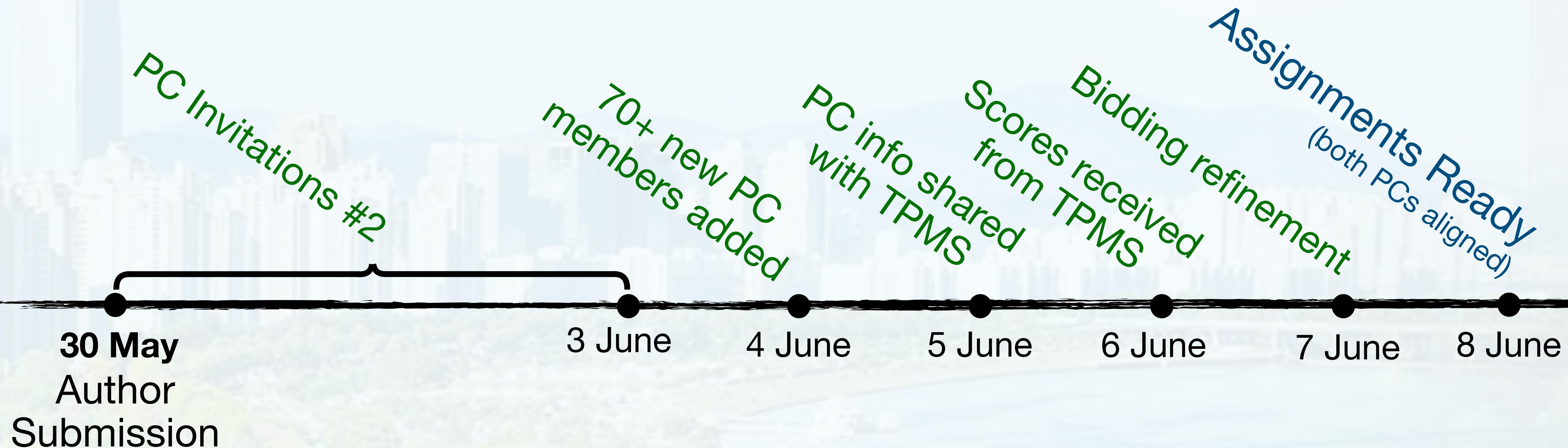
- Second round

Review Process: Selection and Onboarding

- Second round
 - 12 + 8 Area Chairs (AC):
 - World experts in their areas. Maintain submission distribution over areas.
 - Broadening Participation: Maintain diversity in all aspects.
 - 260 + 71 Program Committee (PC) members:
 - World experts selected from self-nominations, AC-nominations, previous ASEs
 - Broadening Participation: Maximizing diversity in all aspects.
 - 1 week for onboarding
 - Extremely welcoming ASE community! Thanks everyone who stepped up.
 - Review Process Slides: <https://tinyurl.com/ase25-process>
 - TPMS (Auto-bidding System)

Review Process: Timeline

- Use of Toronto Paper Matching System (TPMS) for bidding
 - Generally good experience with matching papers to experts
 - We would not survive the record number (**1181**) of submissions without TPMS!



Review Process: Timeline

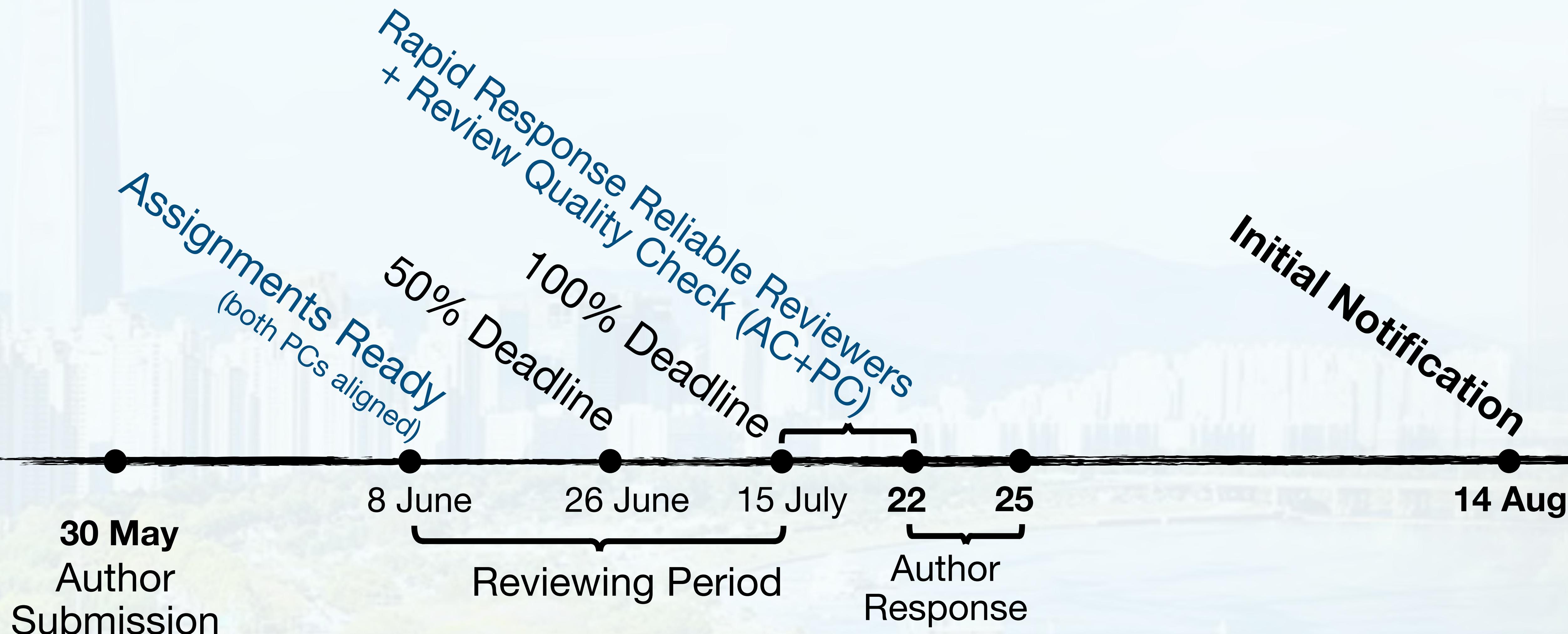
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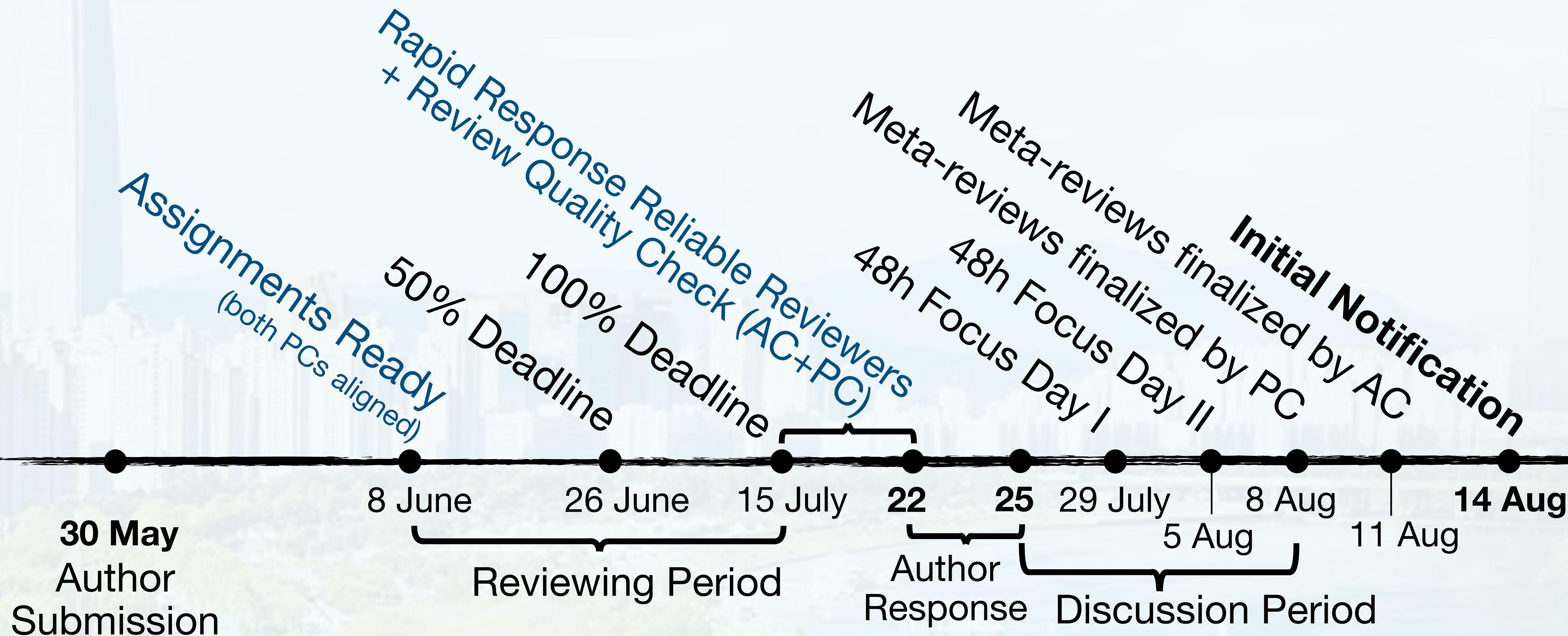
Review Process: Timeline



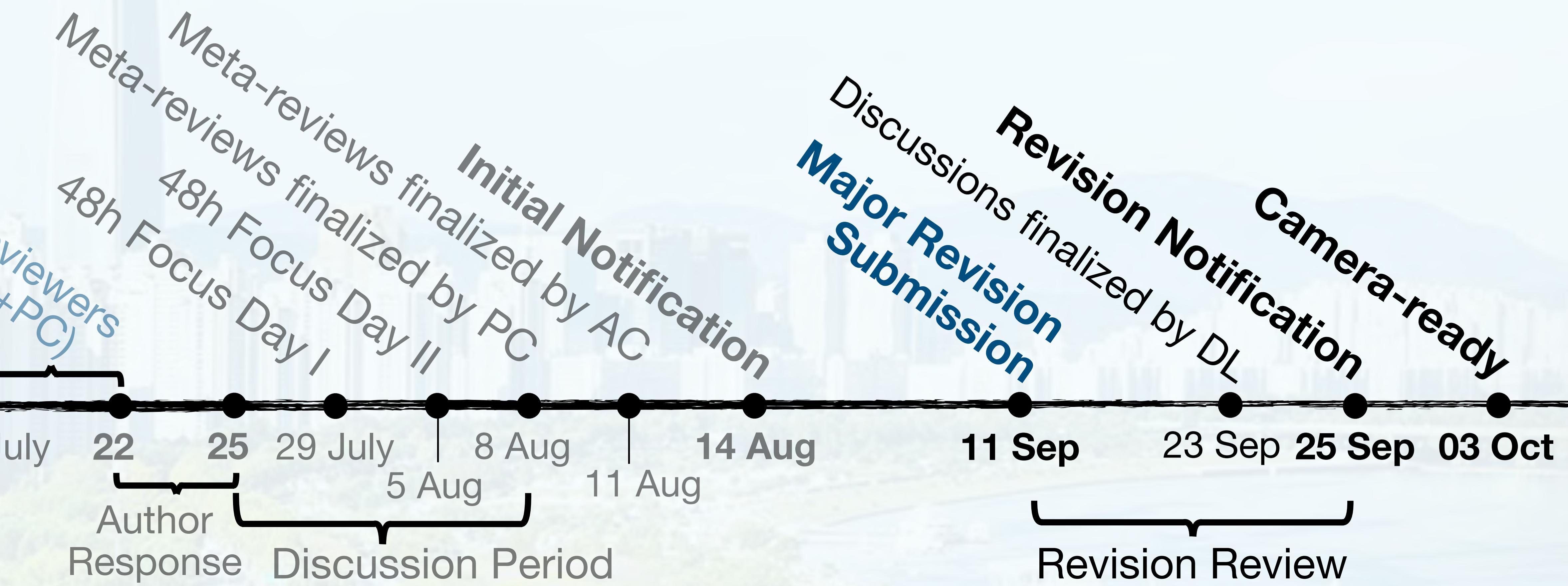
Review Process: Timeline



Review Process: Timeline



Review Process: Timeline



Review Process: Major Revision

a.k.a. Extended Conditional Accept

- Objectives:
 - Add Major Revision into compact timeline of ASE (final decision within 4 months).
 - Avoid deferred rejects (despite authors satisfying all criteria).
 - Reduce PC overhead (1 instead of 3 PC members).
- A Major Revision decision will come with a set of concrete, actionable, and checkable revision items specified as bullet points in the meta review.
 - Reviewers commit to accepting the paper if the revision items are properly addressed.
 - Final decision will not be based on the outcome of any revision item (e.g., experiment results).

Area Chairs

Requirements and Design



Jane
Cleland-Huang



Julia
Rubin



Darko
Marinov



Lars
Gruniske



Andreas
Zeller



Alberto
Bacchelli



Mark
Harman



Zhenchang
Xing

Testing and Analysis



Darko
Marinov



Lars
Gruniske



Andreas
Zeller



Alberto
Bacchelli



Mark
Harman



Zhenchang
Xing

Artificial Intelligence and Software Engineering



Justyna
Petke



Shiva
Nejati



Sarah
Nadi



Jie M.
Zhang

Software Analytics



Sven Apel

Formal Aspects of SE



Sun Jun

Security and Other Non- Functional Properties



Marsha
Chechik



Cristian
Cadar



Michael
Pradel



Dan
Hao



Yingfei
Xiong



Hongyu
Zhang

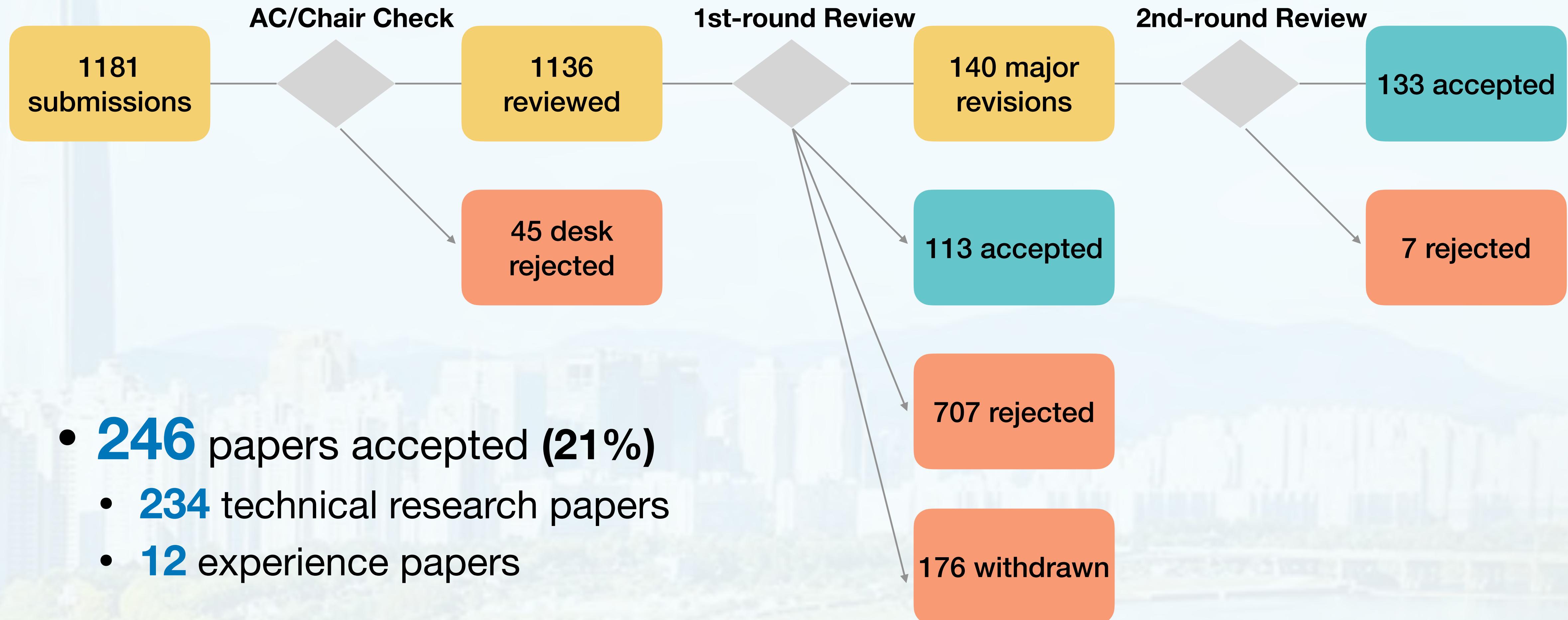
PC Members: THANK YOU!

Abhishek Tiwari, Aitor Arrieta, Ajitha Rajan, Alastair Donaldson, Alessio Gambi, Alexander Serebrenik, Alexandra Bugariu, Allison Sullivan, Amel Bennaceur, Amiangshu Bosu, Amin Milani Fard, Ana Cavalcanti, Andrea Arcuri, Andrea Stocco, Andreas Vogelsang, Andreea Vescan, Antinisca Di Marco, Antonio Filieri, Antonio Mastropaolo, Arie van Deursen, August Shi, Austin Mordahl, Bach Le, Barbara Russo, Bernd Fischer, Bihuan Chen, Binhang Qi, Bo Wang, Carlo A. Furia, Cedric Richter, Cen Zhang, Chaiyong Ragkhitwetsagul, Chanchal Roy, Chang Xu, Chao Peng, Chao Wang, Chengnian Sun, Chengpeng Wang, Chenguang Zhu, Chengyu Zhang, Christoph Treude, Chunqiu Steven Xia, Chunrong Fang, Chunyang Chen, Claudio Menghi, David Lo, Daye Nam, Dehai Zhao, Ding Li, Diomidis Spinellis, Dirk Beyer, Djamel Eddine Khelladi, Djordje Zikelic, Dominik Winterer, Dong Wang, Dongdong She, DongGyun Han, Dongsun Kim, Earl Barr, Elena Sherman, Eunsuk Kang, Fabio Palomba, Fabrizio Pastore, Fang Liu, Fatemeh Hendijani Fard, Feifei Niu, Fiorella Zampetti, Fitsum Kifetew, Foutse Khomh, Foyzul Hassan, Gabin An, Gail Kaiser, Gian Luca Scoccia, Gias Uddin, Grace Lewis, Gregory Duck, Guancheng Wang, Guangdong Bai, Guido Salvaneschi, Guowei Yang, Hadi Hemmati, Haipeng Cai, Hakjoo Oh, Hamid Bagheri, Han Zheng, Hao Zhong, Haoyu Wang, He Ye, Hector Menendez, Heng Li, Hong Jin Kang, Hongyu Kuang, Hui Xu, Huiyan Wang, Huong Ha, Iftekhar Ahmed, Ivan Ruchkin, Jacob Krüger, Jacques Klein, Jaemin Hong, Ji Wang, Jia Li, Jiajun Jiang, Jialun Cao, Jian Zhang, Jianjun Zhao, Jianmei Guo, Jianwen Li, Jiawei Liu, Jieshan Chen, Jil Klündter, Jin Song Dong, Jinfeng Wen, Jingbo Wang, Jingling Xue, Jingyi Wang, Jinhao Dong, Jinqiu Yang, Jinsheng Ba, João F. Ferreira, Jonathan Bell, Jooyong Yi, Jordan Samhi, José Cambronero, Juan Zhai, Julian Dolby, Junjie Chen, Junjie Wang, Kaifeng Huang, Kevin Borgolte, Kevin Moran, Lei Bu, Leonardo Mariani, Leopoldo Teixeira, Li Li, Lili Wei, Liliana Pasquale, Lina Marsso, Lingfeng Bao, Lingxiao Jiang, Linyi Li, Liqian Chen, Lu Xiao, Lu Zhang, Luciano Baresi, Maliheh Izadi, Man Zhang, Marcelo d'Amorim, Maria Kechagia, Masud Rahman, Max Hort, Maxime Cordy, Maxime Lamothe, Mehrdad Saadatmand, Mehrdad Sabetzadeh, Meng Yan, Michael Hilton, Michael Lyu, Michaël Marcozzi, Michele Pasqua, Mijung Kim, Milos Gligoric, Ming Wen, Minghua Ma, Mingwei Liu, Mohamed Wiem Mkaouer, Mohammad Hamdaqa, Moritz Schloegel, Muhammad Numair Mansur, Nadia Alshahwan, Nan Jiang, Nancy Day, Nazareno Aguirre, Neil Walkinshaw, NIANYU LI, Nikita Mehrotra, Nikolaj Bjorner, Ningyu He, Paola Inverardi, Paolo Arcaini, Patrizia Scandurra, Peisen Yao, Pengyu Nie, Pinjia He, Preetha Chatterjee, Preethu Rose Anish, Qi Xin, Qiang Hu, Qiang Liu, Qing Huang, Qingkai Shi, Raffi Khatchadourian, Reid Holmes, Renata Hodovan, Renzo Degiovanni, Ridwan Shariffdeen, Robert Dyer, Rohan Padhye, Romain Robbes, Rosalia Tufano, Rui Abreu, Ruijie Meng, Ruoxi Sun, Ruzanna Chitchyan, Saba Alimadadi, Saeid Tizpaz-Niari, Sallam Abualhaija, Sam Malek, Sandeep Kaur Kuttal, Sarah Fakhoury, Sasa Misailovic, Sebastian Götz, Sébastien Bardin, Sergey Mechtaev, Seung Yeob Shin, Shahar Maoz, Shalini Chakraborty, Shamsa Abid, Shangwen Wang, Shaohua Li, Shaowei Wang, Shengcheng Yu, Shengjian (Daniel) Guo, Shidong Pan, Shin Hong, Shing-Chi Cheung, Shiyi Wei, Shrikanth N.C., Shuai Wang, Shuvendu Lahiri, Sidong Feng, Simone Scalabrino, Simos Gerasimou, Sinem Getir Yaman, Song Wang, Stefan Sobernig, Sudipta Chattopadhyay, Sven Peldszus, Tao Xie, Tao Yue, Tegawendé F. Bissyandé , Tevfik Bultan, Thomas Bach, Thomas Bock, Thomas Degueule, Thomas Vogel, Tianxiao Gu, Tianyi Zhang, Tien Nguyen, Tim Menzies, Tim Storer, Tse-Hsun (Peter) Chen, Vadim Zaytsev, Van-Hoang Le, Van-Thuan Pham, Vijay Walunj, Vincenzo Riccio, Vladimir Kovalenko, Weisong Sun, Weiyi Shang, Wensheng Dou, Wenwen Wang, Wing Lam, Wuqi Zhang, Xavier Devroey, Xiangping Chen, Xiao Liu, Xiaodong Gu, Xiaofei Xie, Xiaoning Du, Xiaoxue REN, Xiaoyin Wang, xiaoyu sun, Xiapu Luo, Xin Peng, Xin Xia, Xin Zhang, Xing Hu, Xudong Sun, Xueling Zhang, Xueqing Liu, Xueying Du, Xujie Si, Xusheng Xiao, Yakun Zhang, Yan Cai, Yang Liu, Yangruibo Ding, Yanjie Jiang, Yanjie Zhao, Yanlin Wang, Yannic Noller, Yanqi Su, Yanyan Jiang, Yao Wan, Yaroslav Golubev, Yepang Liu, Yi Li, Yijun Yu, Yiming Tang, Ying Wang, Ying Zou, Yintong Huo, Yongqiang Tian, Yu Jiang, Yuekang Li, Yulei Sui, Yun Lin, Yun Peng, Yuqun Zhang, Yutian Tang, Zeyu Sun, Zhe Liu, Zhen Dong, Zhenbang Chen, Zhenhao Li, Zhenpeng Chen, Zhi Jin, Zhiyuan Wan, Zhongxin Liu, Zhou Yang, Ziqi Zhang, Zishuo Ding

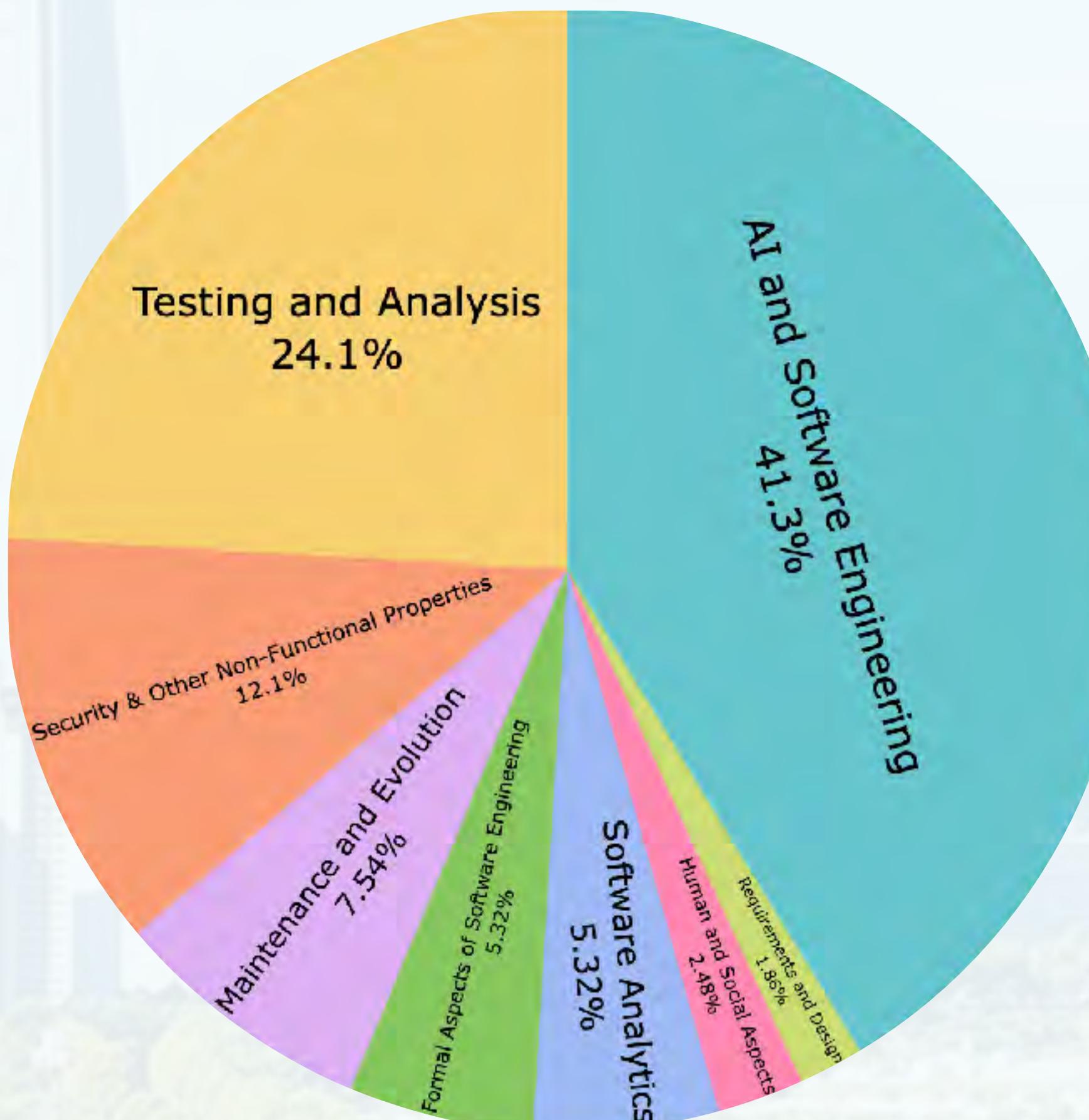
Some Statistics: #Submissions to ASE



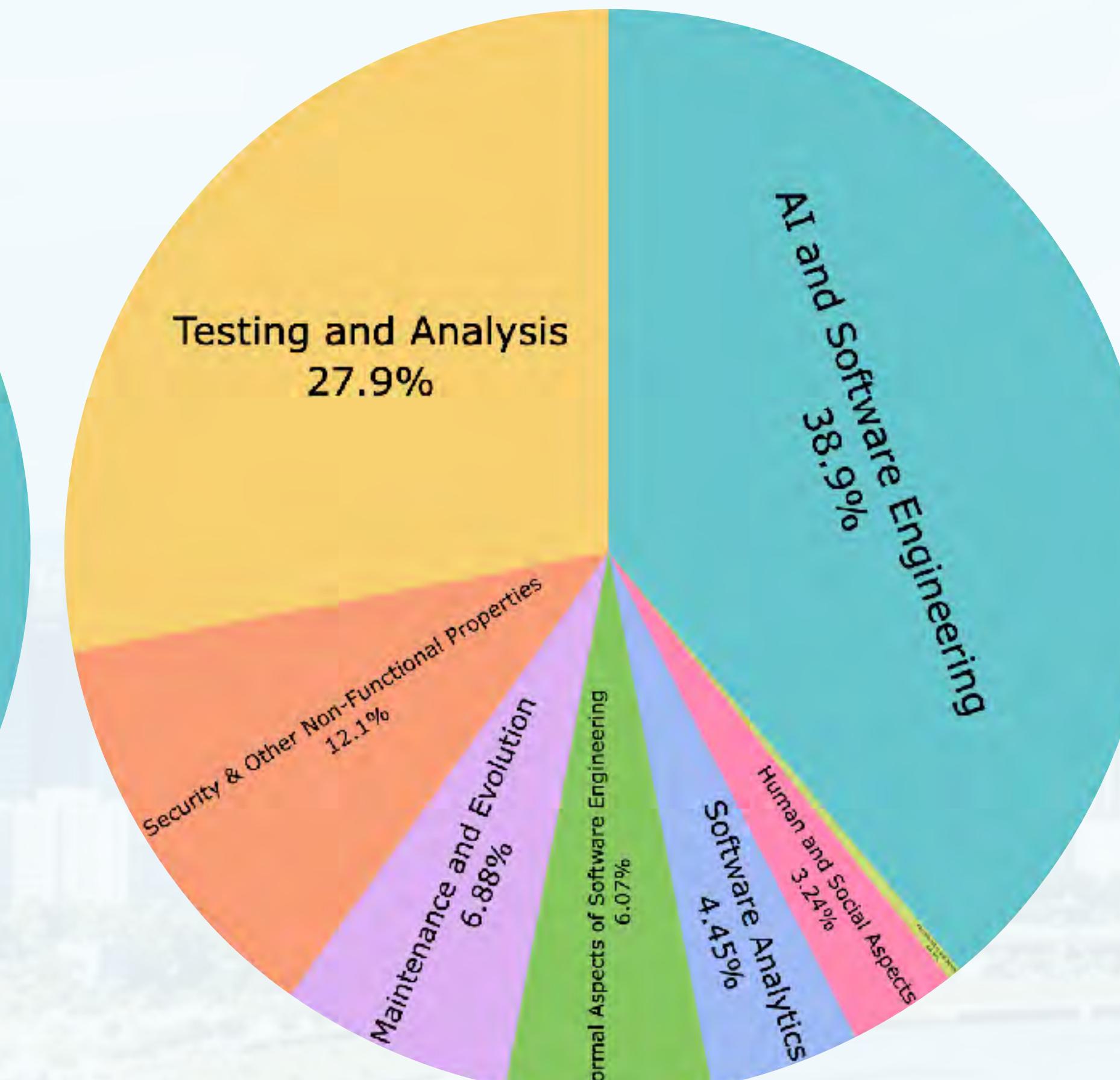
Some Statistics: Review Process



Some Statistics: Topics of Submissions



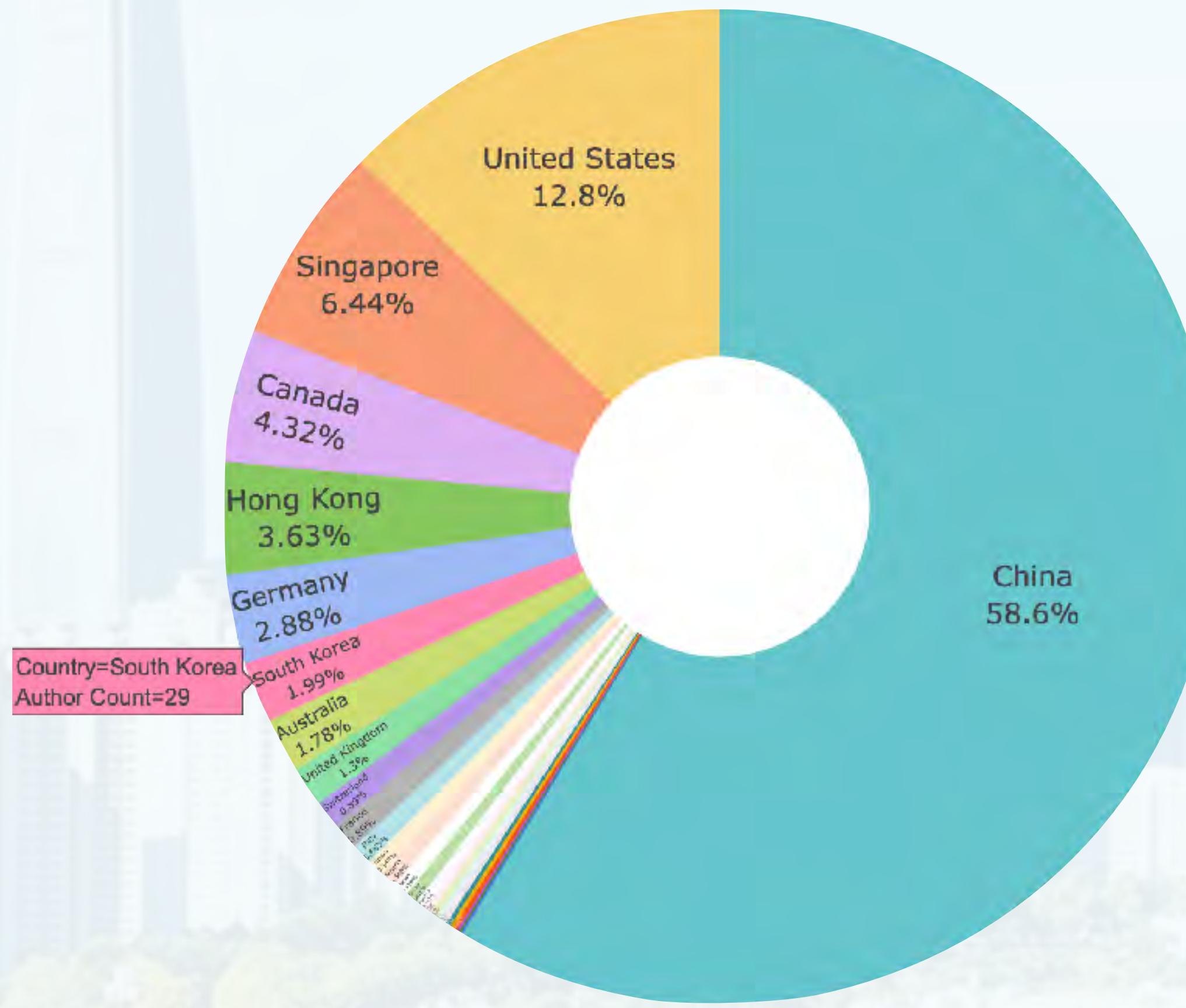
Submitted Papers



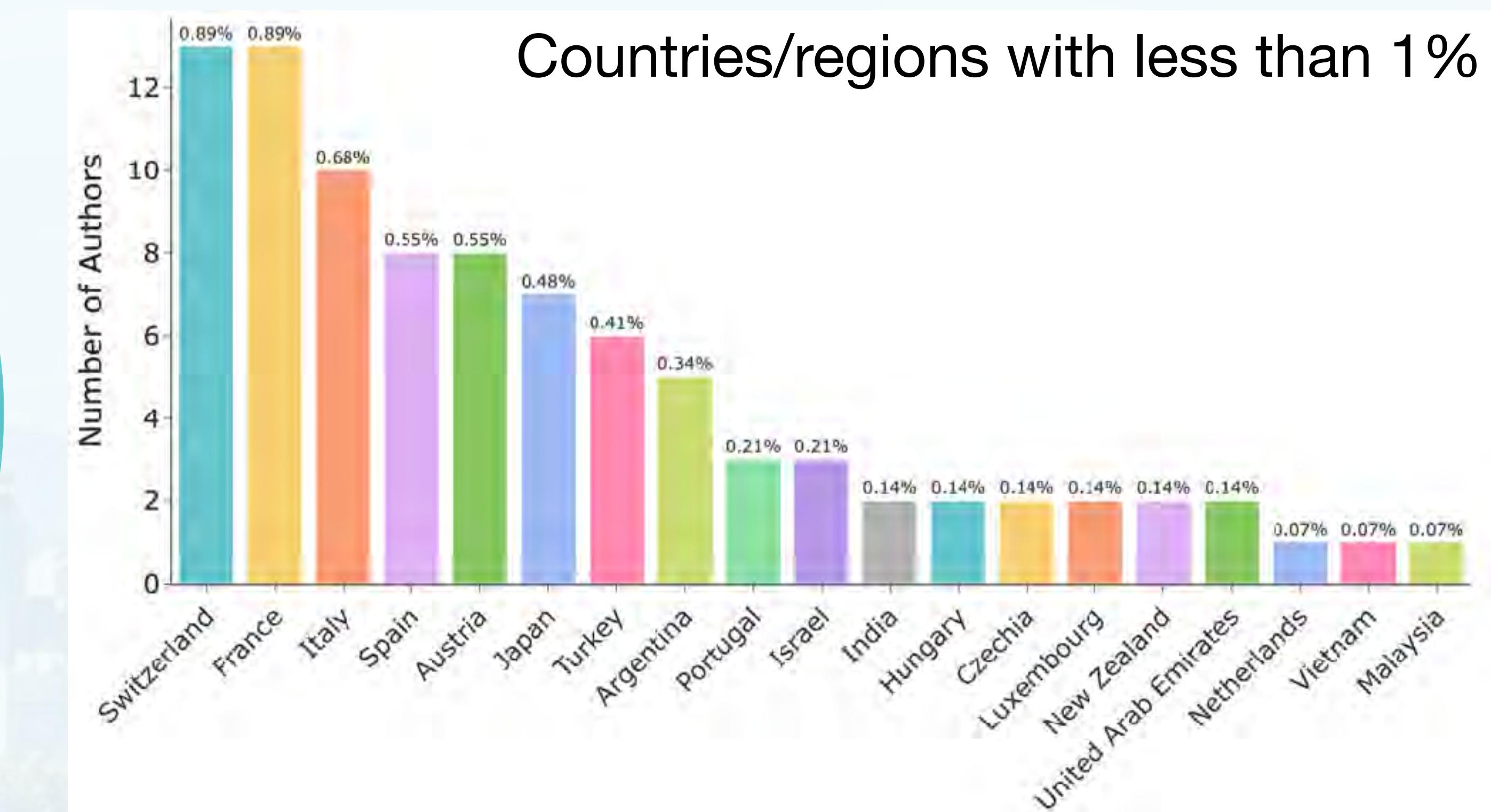
Accepted Papers

- AI and Software Engineering
- Testing and Analysis
- Security & Other Non-Functional Properties
- Maintenance and Evolution
- Formal Aspects of Software Engineering
- Software Analytics
- Human and Social Aspects
- Requirements and Design

Some Statistics: Accepted Papers

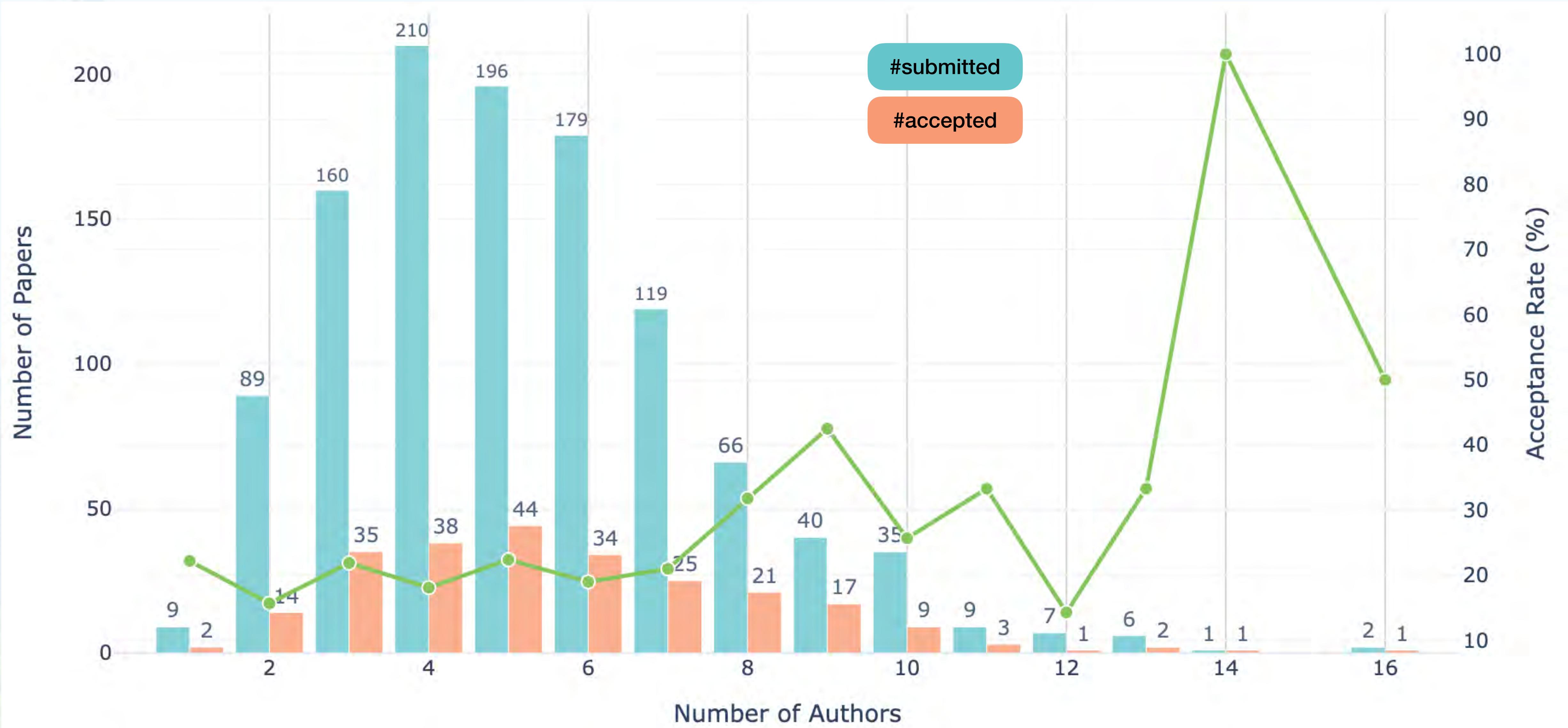


1460 authors from
28 countries/regions



Countries/regions with less than 1%

Some Statistics: #Authors per Paper



Some Statistics: Paper Titles



Welcome to ASE 2025: Thank YOU

- ASE'25 General Chair **Shin Yoo**
- ASE'25 Organizing Committee
- ASE Steering Committee
- PC members and ACs
- All authors and attendees
- Software engineering community for coming to Seoul!