

PLDI 2017 PC Chair Report

Martin Vechev

ETH Zurich and DeepCode

322 submissions

18 withdrawn at some point

47 accepted

8 PC papers accepted out of 42 PC subs

1250 reviews submitted

27 by external reviewers

Reviewing

2-tier process with internal deadline for round 1

Shepherding for each accepted paper

PLDI 2017: main changes

Manual assignment of reviews ~ 5 days

Fewer papers per PC reviewer ~ 20*

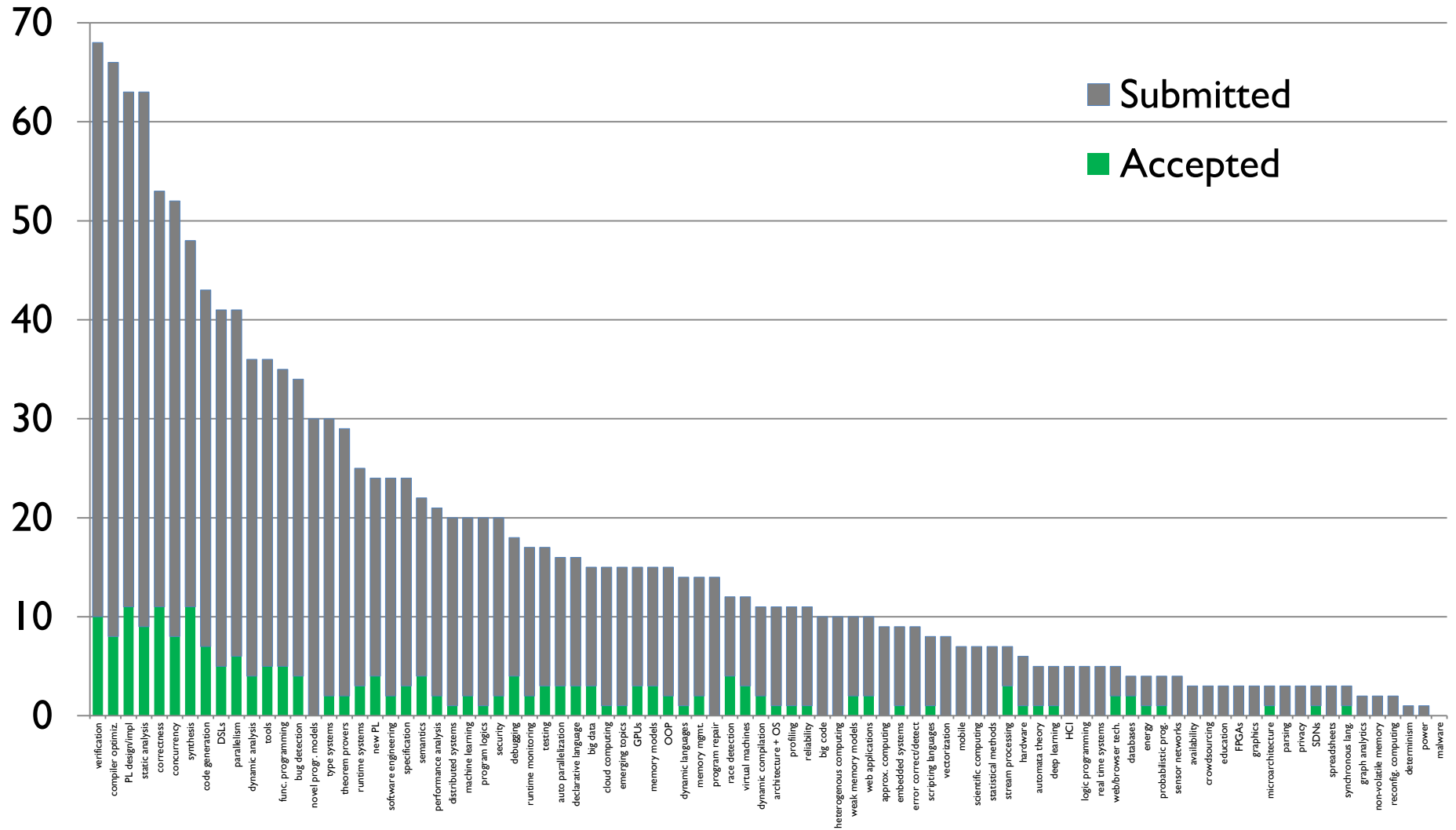
Longer reviewing period ~ 63 days

4 Distinguished Paper Awards

3 Distinguished Reviewer Awards

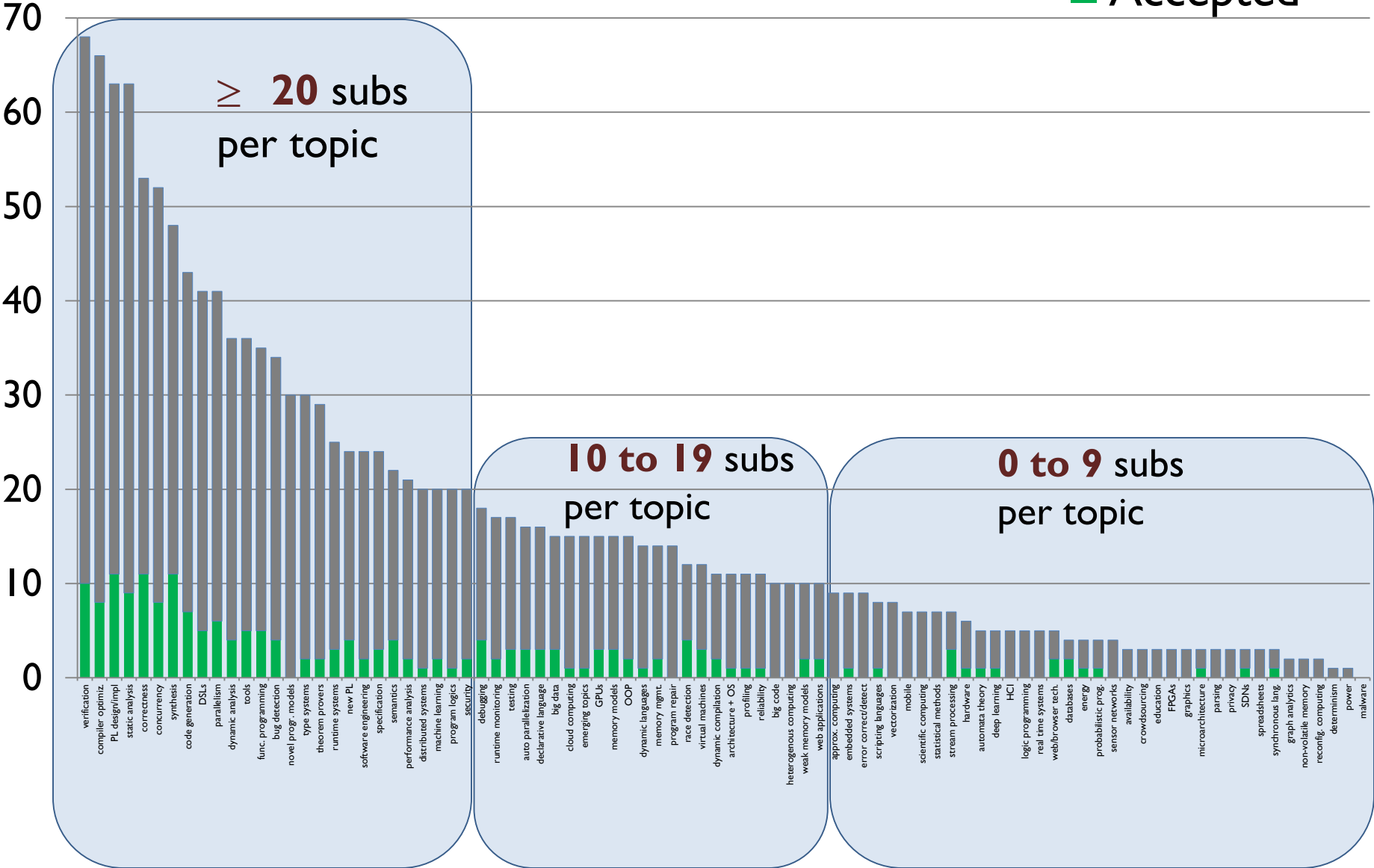
1 Distinguished Artifact Award

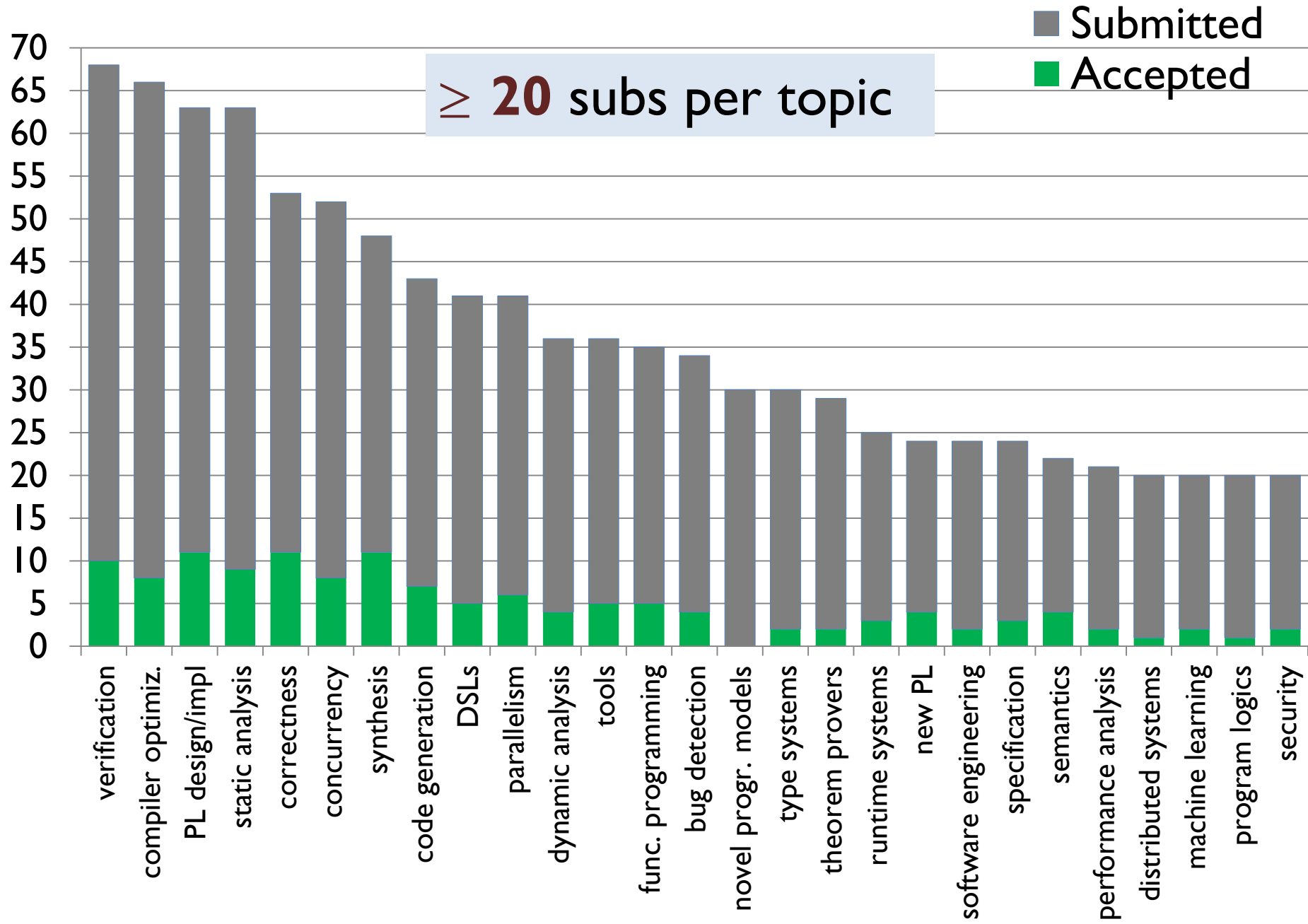
Breakdown by topic

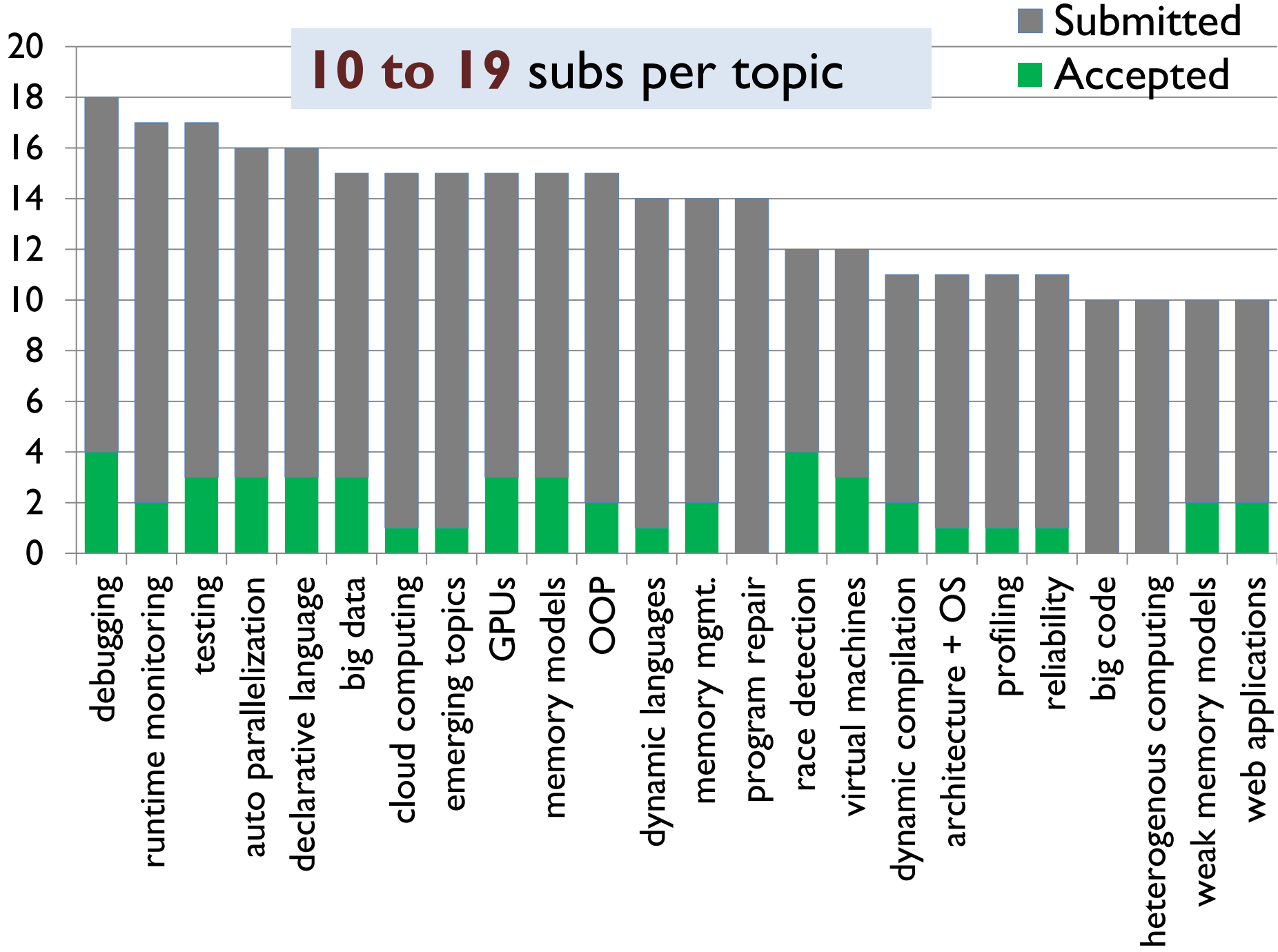


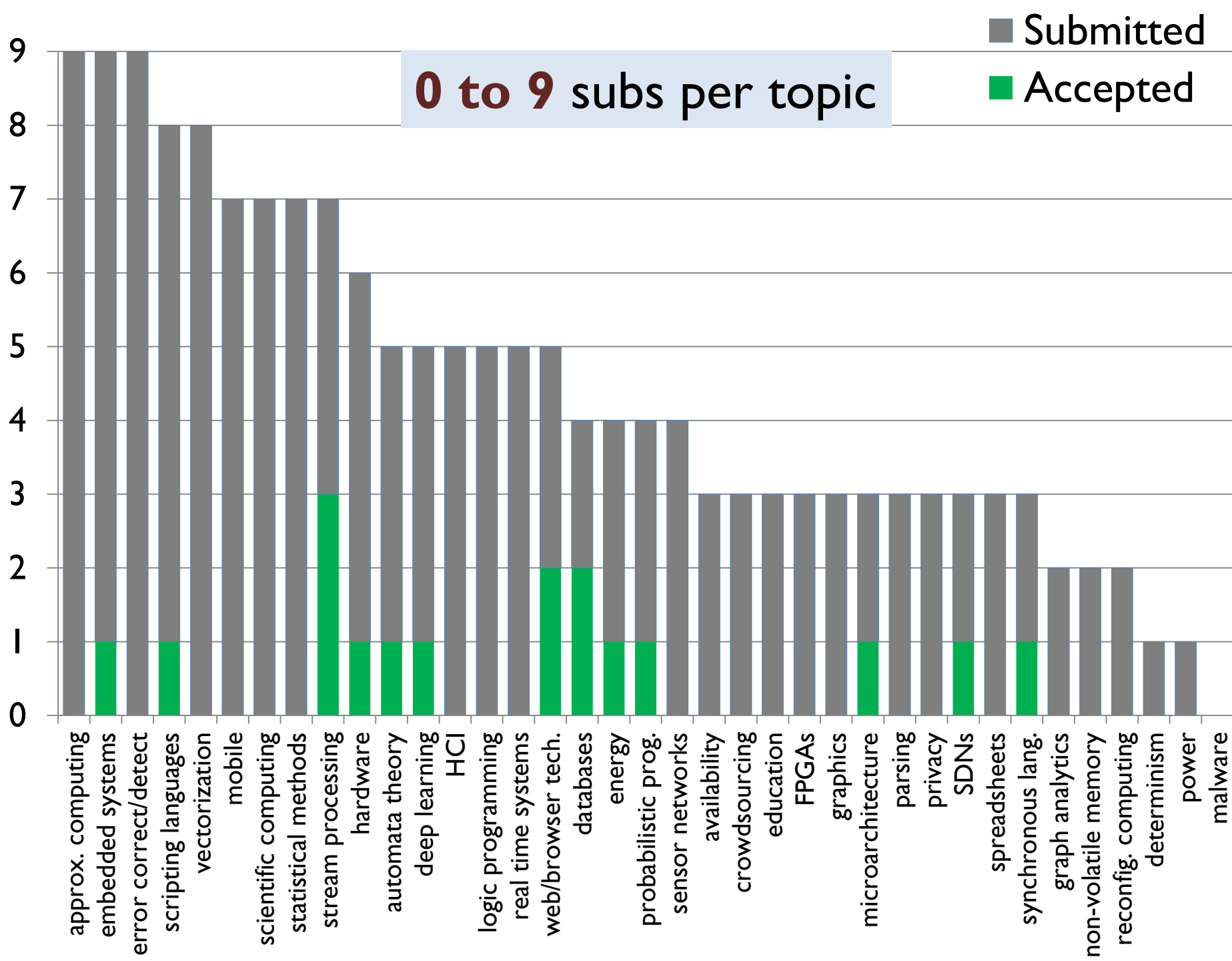
Breakdown by topic

Submitted
Accepted

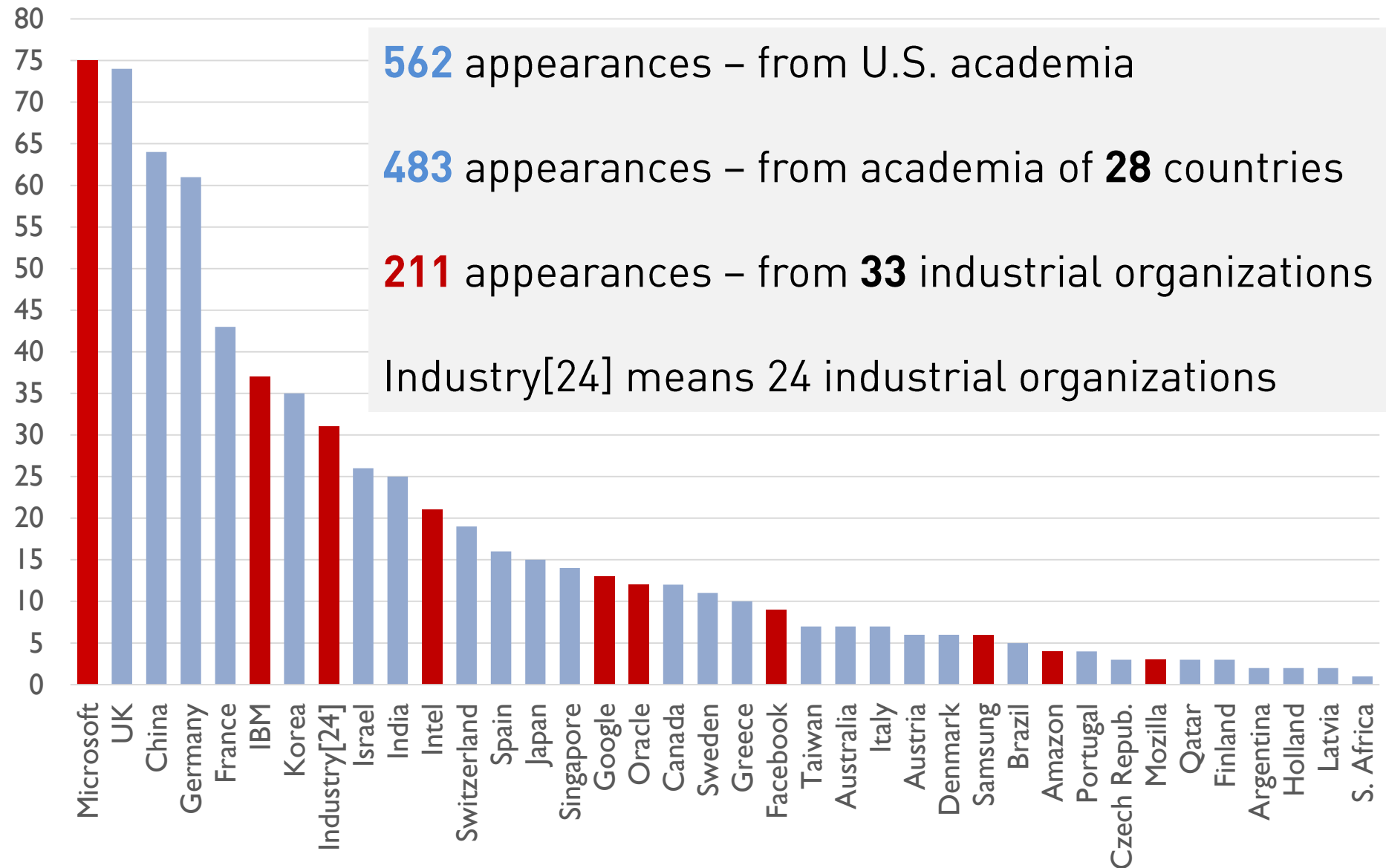








Number of **author appearances** in **submitted** papers



Observation I

PLDI is a **great match** for many of the latest developments in CS which have an **applied PL** flavor: system programmability, explainable A.I., probabilistic programming, secure computing, computational HCI, compilers for big data systems, etc.

To ensure **relevance** and **expertise**, we need to **involve** researchers from other areas while keeping a strong technical PL core.

Committees



Martin Vechev Program Chair
DeepCode and ETH Zurich, Switzerland



David F. Bacon
Google
United States



Bor-Yuh Evan Chang
University of Colorado Boulder



Alvin Cheung
University of Washington



Joseph Devietti
University of Pennsylvania



Jeffrey S. Foster
University of Maryland, College Park
United States



Anders Møller
Aarhus University
Denmark



Marco Pistoia
IBM Research
United States



Andrey Rybalchenko
Microsoft Research
United Kingdom



Alexandra Silva
University College London
United Kingdom



Charles Sutton
University of Edinburgh
United Kingdom



Junfeng Yang
Columbia University



Eddie Aftandilian
Google
United States



Uday Bondhugula
Indian Institute of Science
India



Swarat Chaudhuri
Rice University



Ravi Chugh
University of Chicago



Cezara Drăgoi
INRIA, ENS, CNRS
France



Franz Franchetti
Carnegie Mellon University



Mayur Naik
Georgia Tech



Michael Pradel
TU Darmstadt



Sharon Shoham
Tel Aviv university
Israel



Rishabh Singh
Microsoft Research
India



Eran Yahav
Technion
Israel



Andreas Zeller
Saarland University
Germany



Dan Grossman
University of Washington
United States



Jan Hoffmann
Carnegie Mellon University
United States



Zachary Kincaid
Princeton University
United States



Francesco Logozzo
Facebook
United States



Vikash Mansinghka
Massachusetts Institute of Technology



Madan Musuvathi
Microsoft Research



Tim Harris
Oracle Labs



Jeff Huang
Texas A&M University



Milind Kulkarni
Purdue University



Shan Lu
University of Chicago



Sasa Misailovic
University of Illinois at
United States



Onur Mutlu
ETH Zurich

Program Committee:

35 PC members

11 Assistant Professors

Each reviewed ~ **20 papers**

New: Experts in Machine Learning,
Architecture, Software Engineering



Emery Berger

University of Massachusetts, Amherst
United States



Michael Bond

Ohio State University



Nate Foster

Cornell University
United States



Suresh Jagannathan

Purdue University



Ondřej Lhoták

University of Waterloo, Canada



Todd Millstein

University of California, Los Angeles



Erez Petrank

Technion



Vivek Sarkar

Rice University, USA



Peter Sewell

University of Cambridge



Armando Solar-Lezama

MIT CSAIL
United States



Hongseok Yang

University of Oxford



Hans-J. Boehm

Google



Ahmed Bouajjani

IRIF, Université Paris Diderot
France



Stephen Freund

Williams College
United States



Sorin Lerner

University of California, San Diego



P. Madhusudan

University of Illinois at Urbana-Champaign
United States



Jens Palsberg

University of California, Los Angeles (UCLA)



John Regehr

University of Utah
United States



Koushik Sen

University of California, Berkeley
United States



Zhong Shao

Yale University



Guy L. Steele Jr.

Oracle Labs
United States



Steve Zdancewic

University of Pennsylvania
United States

External Program Committee:

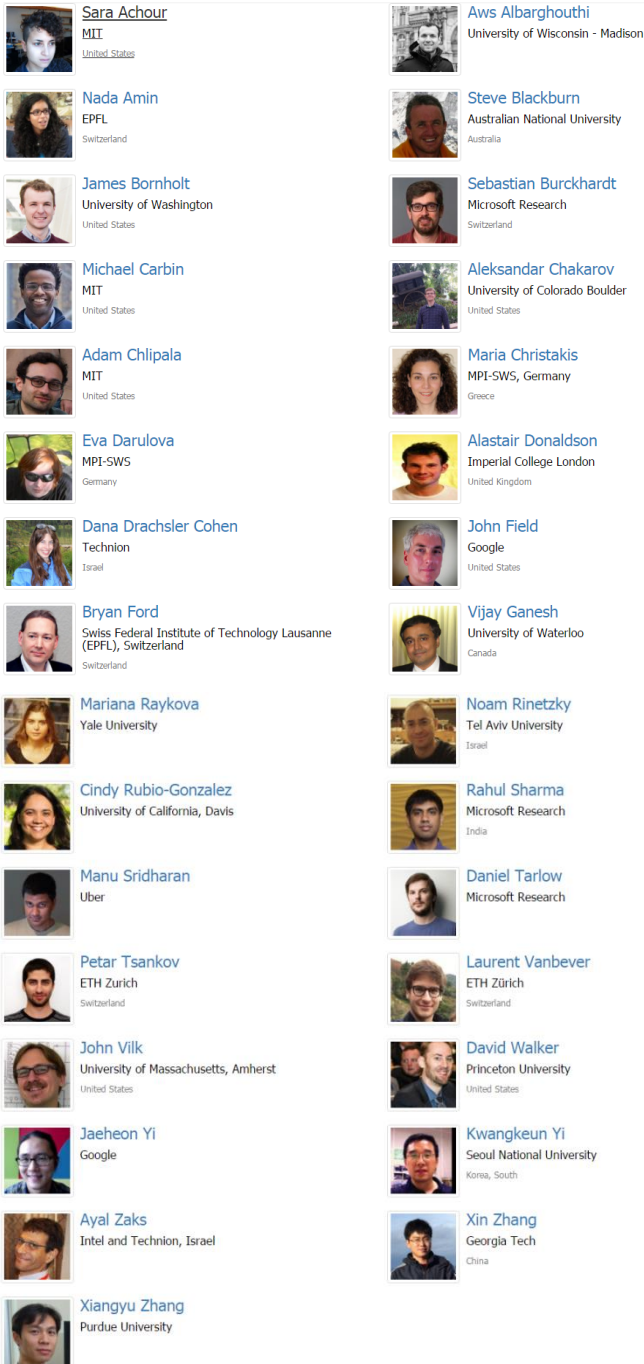
22 members

0 Assistant Professors

Each reviewed ~ **10 papers**

Experts in the area

EPC meeting decided PC papers



Sara Achour

MIT
United States

Nada Amin

EPFL
Switzerland

James Bornholt

University of Washington
United States

Michael Carbin

MIT
United States

Adam Chlipala

MIT
United States

Eva Darulova

MPI-SWS
Germany

Dana Drachler Cohen

Technion
Israel

Bryan Ford

Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland
Switzerland

Mariana Raykova

Yale University

Cindy Rubio-Gonzalez

University of California, Davis

Manu Sridharan

Uber

Petar Tsankov

ETH Zurich
Switzerland

John Vilk

University of Massachusetts, Amherst
United States

Jaeheon Yi

Google

Ayal Zaks

Intel and Technion, Israel

Xiangyu Zhang

Purdue University

Aws Albarghouthi

University of Wisconsin - Madison

Steve Blackburn

Australian National University
Australia

Sebastian Burckhardt

Microsoft Research
Switzerland

Aleksandar Chakarov

University of Colorado Boulder
United States

Maria Christakis

MPI-SWS, Germany
Greece

Alastair Donaldson

Imperial College London
United Kingdom

John Field

Google
United States

Vijay Ganesh

University of Waterloo
Canada

Noam Rinetzky

Tel Aviv University
Israel

Rahul Sharma

Microsoft Research
India

Daniel Tarlow

Microsoft Research

Laurent Vanbever

ETH Zürich
Switzerland

David Walker

Princeton University
United States

Kwangkeun Yi

Seoul National University
Korea, South

Xin Zhang

Georgia Tech
China

Alexey Gotsman

IMDEA

Stefan Heule

Stanford University
United States

Ranjit Jhala

UC San Diego
United States

Brandon Lucia

Carnegie Mellon University
United States

Stephen McCamant

University of Minnesota
United States

Ryan R. Newton

Indiana University
United States

Hannes Payer

Google

Zvonimir Rakamaric

University of Utah
United States

Aarti Gupta

Princeton University

Martin Hirzel

IBM Research
United States

Patrick Lam

University of Waterloo

Ravichandran Madhavan

EPFL
Switzerland

Santosh Nagarakatte

Rutgers University, USA
United States

Peter-Michael Osera

Grinnell College
United States

Andreas Podelski

University of Freiburg, Germany
Germany

Veselin Raychev

ETH Zurich

External Review Committee:

47 members

10 senior PhD students

Experts in cryptography, networking, security, ML

Each reviewed ~ **6-10 papers**

Observation II

Many rejected PLDI papers need ~2-3 months of work to be accepted at PLDI. The authors want their papers to appear at PLDI.

Proposal

PLDI with ≥ 2 deadlines per year

⇒ will lead to ~30 more accepted papers per year

⇒ will help with continuity of reviewing

⇒ may help attract relevant research from outside PL