PLMW @ POPL

Panel: How to do Great PL Research!
Deepak Garg

History
- Faculty at the Max Planck Institute for Software Systems (Germany)
- Ph.D. from Carnegie Mellon University (USA)
- Undergraduate degree from IIT-Delhi (India)

Background
- Type systems, proof theory, semantics
- Computer security

Research interests (broadly)
- PL techniques applied to computer security
- Secure compilation
- Software security
- Relational verification
Vasco T. Vasconcelos

- Department of Informatics, Faculty of Sciences, University of Lisbon
  - since 1996
- M.Sc. and Ph.D. from Keio University
- Sabbatical semester at Kyoto University (2016)
- University of Sussex (2002-03)

- Interests: programming languages for concurrent and distributed programming, type systems, process calculi, and specification and verification of computer systems
Atsushi Igarashi

- Professor at Kyoto University, Japan
  - PhD (U. Tokyo, 2000)
  - Visiting scholar between 06/98--03/00 @ Indiana & UPenn

- Research interests: Types for PL design, analysis
  - Type systems for objects and classes
    - Featherweight Java (1999 w/ Pierce & Wadler) and its relatives
  - Type systems for multi-stage programming
  - Type systems for concurrency (behavioral types)
  - Integration of static and dynamic checking
    - Gradual typing, manifest contracts
Neel Krishnaswami

- Lecturer at Cambridge (≈ assistant professor)
- Main interests:
  - Type theory (modal, linear, dependent, *et cetera*)
  - Verification (Hoare logic, separation logic, *und so weiter*)
  - Semantics (realizability models, denotational models, and so forth)
- Agenda: put things together in unexpectedly obvious ways
RESEARCH: Scalable reasoning about concurrent and web programs

UNDERGRADUATE: Mathematics degree, Oxford

PHD: Computer science, supervised by Gordon Plotkin

VARIOUS FELLOWSHIPS: Edinburgh, Cambridge

PERMANENT POSITION: Imperial College London