CACM Research Highlights
Nominating Committee
Ben Zorn, chair

What is the CACM RH Nominating Committee?

- We nominated papers appearing in SIGPLAN conferences to the Communications of the ACM to appear in their Research Highlight track.
- The CACM Research Highlight track accepts papers from all areas of computer science to be highlighted as especially important and relevant for the 80,000+ membership of the ACM.
- The SIGPLAN conferences from which our committee selects papers for nomination include:
  - POPL, PLDI, ICFP, OOPSLA, PPDP, GPCE, Haskell, PPoPP, VEE, ISMM, LCTES, ASPLOS, CGO, etc.
- The submission of papers for consideration is done by both committee members and members of the community at large (see below).
- The nominating committee meets approximately 2 times per year to make nominations.

Results from February 2011 Meeting

Nominated 4 new papers:

- **Title:** Lime: a Java-Compatible and Synthesizable Language for Heterogeneous Architectures  
  Authors: Joshua Auerbach, IBM Research, David F. Bacon, IBM Research, Perry Cheng, IBM Research, Rodric Rabbah, IBM Research  
  Venue: OOPSLA 2010
- **Title:** Nikola: Embedding Compiled GPU Functions in Haskell  
  Authors: Geoffrey Mainland, Harvard School of Engineering and Applied Sciences, Greg Morrisett, Harvard School of Engineering and Applied Sciences  
  Venue: Haskell Symposium 2010
- **Title:** The Impact of Higher-Order State and Control Effects on Local Relational Reasoning  
  Authors: Derek Dreyer (MPI-SWS); Georg Neis (MPI-SWS); Lars Birkedal (IT University of Copenhagen)  
  Venue: ICFP 2010
- **Title:** Lightweight Modular Staging: A Pragmatic Approach to Runtime Code Generation and Compiled DSLs  
  Authors: Tiark Rompf, École Polytechnique Fédérale de Lausanne Martin Odersky, École Polytechnique Fédérale de Lausanne  
  Venue: GPCE 2010

Overall Results

2 SIGPLAN-nominated papers appeared in the CACM November 2010:

- **Title:** FastTrack: Efficient and Precise Dynamic Race Detection  
  Authors: Cormac Flanagan and Stephen N. Freund  
  Venue: PLDI 2009
- **Title:** Goldilocks: A Race and Transaction-Aware Java Runtime  
  Authors: Tayfun Elmas, Shaz Qadeer, and Serdar Tasiran  
  Venue: PLDI 2007

- In total 17 papers nominated, 5 have appeared in CACM Research Highlights

Submit your own nominations now

**Committee Members:**

- Member of EC (chair) Ben Zorn
- SIGPLAN chair Philip Wadler
- Past SIGPLAN chair Kathleen Fisher
- POPL delegate Jens Palsberg
- PLDI delegate Michael Hind
- OOPSLA delegate Gary Leavens
- ICFP delegate Stephanie Weirich
- PPDP/GPCE/Haskell Andres Loeh
- PPoPP/VEE/ISMM Hans Boehm
- LCTES/ASPLOS/CGO David August