# CACM Research Highlights Nominating Committee

Ben Zorn, chair

# What is the CACM RH Nominating Committee?

- We nominated papers appearing in SIGPLAN conferences to the Communication s 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 approximate 2 times per year to make nominations

## Results from February 2011 Meeting

#### Nominated 4 new papers:

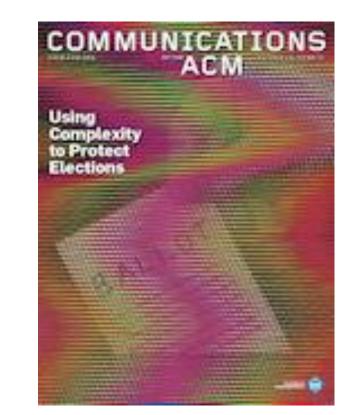
- Title: <u>Lime: a Java-Compatible and Synthesizable Language for Heterogeneous Architectures</u>
   Authors: Joshua Auerbach, IBM Research, David F. Bacon, IBM Research, Perry Cheng, IBM Research, Rodric Rabbah, IBM Research
   Venue: OOPSLA 2010
- Title: <u>Nikola: Embedding Compiled GPU Functions in Haskell</u>
   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: <u>Lightweight Modular Staging: A Pragmatic Approach to Runtime Code Generation and Compiled DSLs</u>
  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

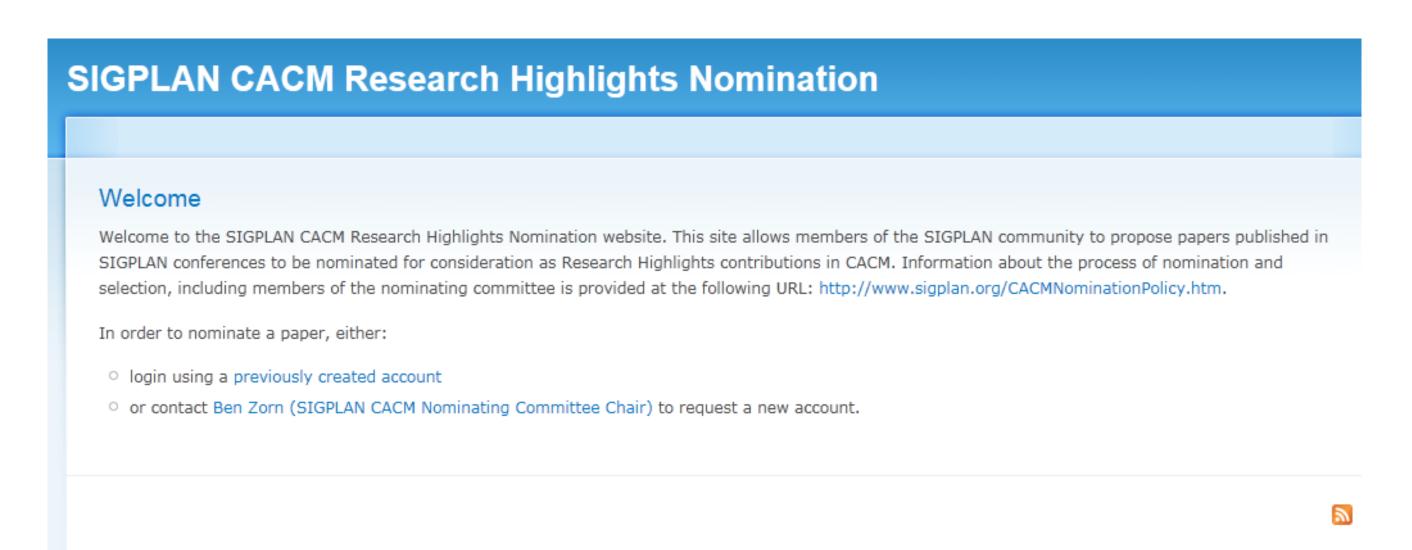
- Title: <u>FastTrack: Efficient and Precise Dynamic Race Detection</u>
  Authors: Cormac Flanagan and Stephen N. Freund
  Venue: PLDI 2009
- Title: Goldilocks: A Race and Transaction-Aware Java Runtime
  Authors: Tayfun Elmas, Shaz Qadeer, and Serdar Tasiran
  Venue: PLDI 2007



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

### Submit your own nominations now

Visit: <a href="http://cacm.elis.ugent.be/">http://cacm.elis.ugent.be/</a>



#### • Committee Members:

-Member of EC (chair)
-SIGPLAN chair
-Past SIGPLAN chair
-POPL delegate
-PLDI delegate
-OOPSLA delegate
-ICFP delegate
-PPDP/GPCE/Haskell
-PPoPP/VEE/ISMM
-LCTES/ASPLOS/CGO

Ben Zorn
Philip Wadler
Kathleen Fisher
Jens Palsberg
Michael Hind
Gary Leavens
Stephanie Weirich
Andres Loeh
Hans Boehm
David August