Welcome to VEE 2014

10th ACM SIGPLAN/SIGOPS Conference on Virtual Execution Environments
Salt Lake City, 1-2 March 2014

General Chair
Martin Hirzel
IBM Watson Research Center

Program Co-Chairs
Erez Petrank & Dan Tsafrir
Technion - Israel Institute of Technology
At a Glance

- Presentations, breakfast, lunch, & break snacks
  - All here in *Grand Ballroom B*
- Joint reception with ASPLOS
  - Sunday 6-8pm, *Alpine Ballroom*
- Dinner
  - On your own
Sponsors

Thanks for partial students travel grants!
In Cooperation With

Thanks for the publicity!
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VEE’14 Program Co-Chairs

Erez Petrank
Technion

Dan Tsafrir
Technion
VEE’14 Steering Committee

And especially to

Dilma Da Silva
Qualcomm
Steering Committee Chair
ASPLOS’14 Organizers

Rajeev Balasubramonian  
University of Utah  
General Co-Chair

Ani Udiipi  
ARM  
Registration Chair

Manjunath Shevgoor  
University of Utah  
Web Chair
Virtual Execution Environments
The agenda
Today

- **Keynote** - **Galen Hunt** *(Microsoft Resarch)*
  Experiences in the Land of Virtual Abstractions

- **Session #1** - Bridging the Semantic Gab

- **Session #2** - Memory

- **Session #3** - Runtimes
Tomorrow

- **Keynote - Jan Vitek** *(Purdue University)*
  The case for the Three R's of Systems Research: Repeatability, Reproducibility, and Rigor

- **Session #4 - Binary Instrumentation**

- **Session #5 - Optimizations**

- **Session #6 - Reorganizing & Debugging**
The Papers
Submitted Papers

- 56 started submissions
- 49 finalized
- Several by program committee members
- High quality submissions
Review Process

- Double-blind
- Every submission received 4–5 reviews (nearly all of them by PC members)
- Authors were given the opportunity for rebuttal
PC Meeting

• PC = 2 co-chairs + 18 members (7 from industry)

• Monday, January 20, 8-hour meeting
  IBM Watson Research Center, NY

• Discussed all papers but those with negative-only reviews (7)

• Conflict of interest left room
Accepted Papers

- Of the 49 finalized submissions, the PC accepted 18
- About half were shepherded
- One best paper (soon...)
A decade of VEE
The Program Committee
A lot of work...

- PC produced ~200 reviews comprised of ~135K words ("Lord of the Rings - The Return of the King" consists of ~131K words)
- ~3.5K events in HotCRP paper submission system
- ~2.5K emails in my ‘vee14’ folder
Program Committee

- mustach+beard: 60%
- beard only: 20%
- mustache only: 20%
The Meeting
We Began With

- positive only: 6 papers
- mostly positive: 14 papers
- tie: 8 papers
- mostly negative: 13 papers
- negative only: 7 papers
We Ended Up With

- positive only
- mostly positive
- tie
- mostly negative
- negative only

- accepted
- rejected
We Thank...
Martin Hirzel

General Chair
But Mostly...

- The authors
Best Paper Award
Deoptimization for Dynamic Language JITs on Typed, Stack-based Virtual Machines

- **Madhukar N Kedlaya**  
  University of California, Santa Barbara

- **Behnam Robatmili**  
  Qualcomm Research Silicon Valley

- **Calin Cascaval**  
  Qualcomm Research Silicon Valley

- **Ben Hardekopf**  
  University of California, Santa Barbara
VEE'14 Best Paper Award

"Deoptimization for Dynamic Language JITs on Typed, Stack-based Virtual Machines"

Madhukar N. Kedlaya
Behnam Robatmili
Călin Căscaval
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The 10th ACM SIGPLAN/SIGOPS International Conference on Virtual Execution Environments
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