



5th Workshop on Virtual Machines and Intermediate Languages (VMIL)

@ SPLASH, 2011

Hridesh Rajan (Iowa State University, USA)

Christoph Bockisch (University of Twente, Netherlands)

Michael Haupt (Oracle Labs, Germany)

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Many Thanks To

- Authors

- Eliot Miranda
- Stephen Kell
- Conrad Irwin
- Joseph Gil
- Keren Lenz
- Yuval Shimron
- Christoph Bockisch
- Andreas Sewe
- Martin Zandberg
- Jannik Jochem
- Mira Mezini
- Jisheng Zhao
- Vivek Sarkar
- Stefan Marr
- Mattias De Wael
- Michael Haupt
- Theo D'Hondt

- Program Committee

- **Chair:**
Steve Blackburn
- Cliff Click
- David Grove
- Kim Hazelwood
- Antony Hosking
- Doug Lea
- Guy Steele
- Ben Titzer
- Olivier Zendra

- Invited Talks

- Gilad Bracha
- Lars Bak

- Workshop Chairs

- Ademar Aguiar
- Ulrik Pagh Schultz

All Participants

Schedule

08:30 – 09:30	Invited Talk: A Walk on The Dart Side (joint with DLS) Gilad Bracha, Google, USA
09:30 – 09:30	Welcome
09:30 – 10:00	The Cog Smalltalk Virtual Machine. writing a JIT in a high-level dynamic language Eliot Miranda, Independent Consultant, USA
10:00 – 10:30	Break
10:30 – 11:30	Invited Talk: Designing the Dart programming language with a simple virtual machine in mind Lars Bak, Google, USA
11:30 – 12:00	Virtual machines should be invisible Stephen Kell (University of Oxford, United Kingdom) Conrad Irwin (University of Cambridge, United Kingdom)
12:00 – 14:00	Lunch Break

Schedule

14:00 – 14:30	A Microbenchmark Case Study and Lessons Learned Joseph (Yossi) Gil, Keren Lenz and Yuval Shimron The Technion—Israel Institute of Technology, Israel
14:30 – 15:00	ALIA4J's [(Just-In-Time) Compile-Time] MOP for Advanced Dispatching (Position Paper) Christoph Bockisch, University of Twente, The Netherlands Andreas Sewe, Technische Universität Darmstadt, Germany Martin Zandberg, University of Twente, The Netherlands
15:00 – 15:30	Next In Line, Please! Efficiently Estimating and Exploiting the Indirect Benefits of Inlining Andreas Sewe, Jannik Jochem and Mira Mezini Technische Universität Darmstadt, Germany
15:30 – 16:00	Break
16:00 – 16:30	Intermediate Language Extensions for Parallelism Jisheng Zhao and Vivek Sarkar, Rice University, USA
16:30 – 17:00	Which Problems Does a Multi-Language Virtual Machine Need to Solve in the Multicore/Manycore Era? Stefan Marr, Vrije Universiteit Brussel, Belgium Mattias De Wael, Vrije Universiteit Brussel, Belgium Michael Haupt, Oracle Labs, Germany Theo D'Hondt, Vrije Universiteit Brussel, Belgium
17:00 – 17:30	Discussion