Science, Art, Voodoo: Using and Developing the Graal Compiler

2nd Graal workshop @ CGO
Feb 22, 2020
#graalcg2020
9:00 AM:  Welcome!

9:15 AM:  Keynote
Title: Graal as a native JIT in GraalVM
Speaker: Tom Rodriguez (Oracle Labs)

10:15 AM: Talk
Title: How to statically compile a serverless application to survive the biggest bursty e-commerce data traffic in the world
Speaker: Tianxiao Gu (Alibaba Inc.)
10:45 - 11:00 AM: Break
11:00 AM: Talk
Title: JRuby on Graal: Performance and AOT explorations
Speaker: Charles Nutter (Red Hat Inc.)

11:30 AM: Talk
Title: GraalVM as a static analysis framework
Speaker: Christian Wimmer (Oracle Labs)
Lunch

12:00 - 1:30 PM
Schedule

- **1:30 PM: Talk**
  
  Title: *Experimenting with Neuroevolution for Graal Inlining Heuristics*
  
  Speaker: *Makarand Parigi (University of Michigan)*

- **2:00 PM: Talk**
  
  Title: *Visualizing Graal*
  
  Speaker: *Chris Seaton (Shopify)*
2:30 - 2:45 PM: Break
2:45 PM: Talk

Title: Autovectorization in Graal

Speaker: Niklas Vangerow (Imperial College London)
        David Degazio (University of Michigan)

3:15 PM: Talk

Title: Getting Pants performance for free via parallelism using Graal native-image

Speaker: Daniel McClanahan (Twitter)
Schedule

- **4:00 PM: Panel Discussion**
  
  Subject: *The GraalVM Compiler: looking at it with 2020 vision, where does the community want it to be in a year?*
  
  Panelists: Christian Wimmer, Chris Seaton, Charles Nutter, Kingsum Chow, Tom Rodriguez

- **5:00 PM: Closing Remarks!**
Thank You!

- Submissions authors
- Presenters
- Program Committee
  Chris Seaton (Shopify), Christian Wimmer (Oracle Labs), Tianxiao Gu (Alibaba), Sandhya Viswanathan (Intel Corp.), Charles Nutter (Red Hat)
- Workshop participants
What’s Next?

- Group photo
- Group dinner
- Workshop website hosted on GitHub
- Feedback? Survey?
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CGO Workshop
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#graalcg02020
#graalcgo2021