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

2nd Graal workshop @ CGO Feb 22, 2020

#graalcgo2020

- 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 worldSpeaker: Tianxiao Gu (Alibaba Inc.)

10:45 - 11:00 AM: Break

11:00 AM: Talk

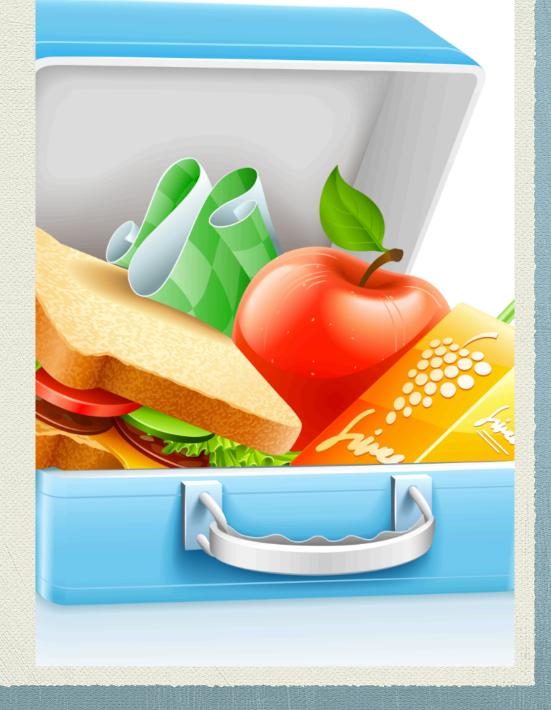
Title: JRuby on Graal: Performance and AOT explorations Speaker: Charles Nutter (Red Hat Inc.)

11:30 AM: Talk

Title: *GraalVM as a static analysis framework* Speaker: *Christian Wimmer (Oracle Labs)*

Lunch

12:00 - 1:30 PM



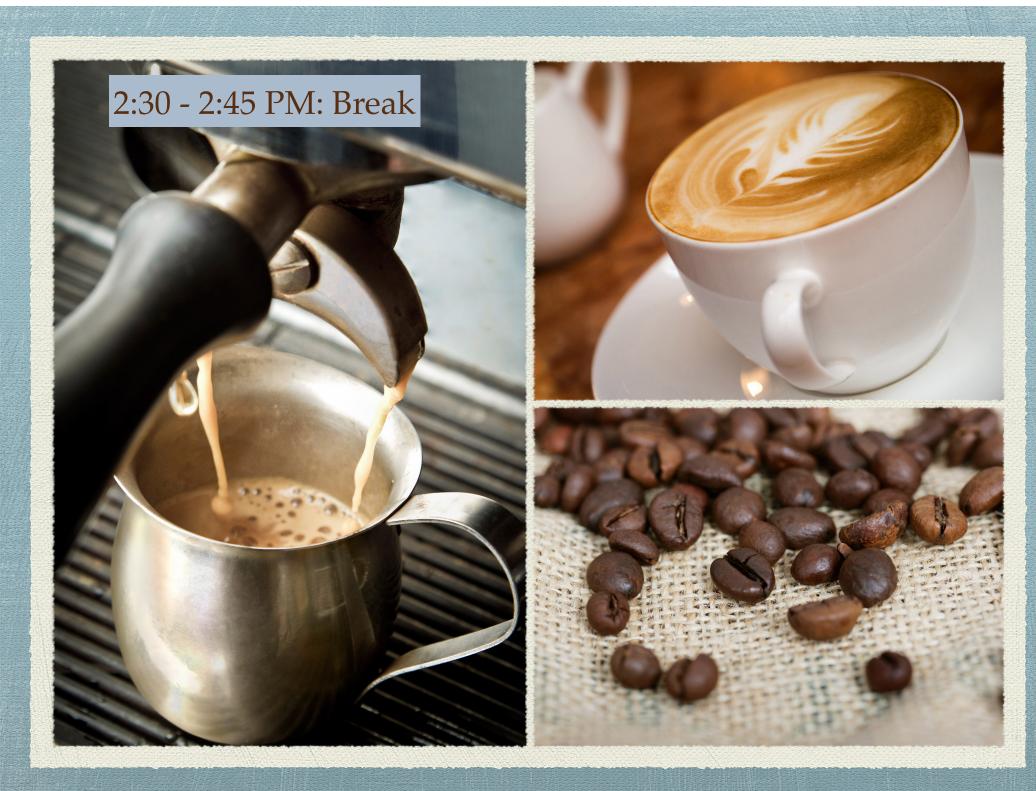
1:30 PM: Talk

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)*



2:45 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)

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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