



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

2nd Graal workshop @ CGO

Feb 22, 2020

#graalcgo2020

Schedule

- ◆ 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



Schedule

◆ 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



Schedule

◆ 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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