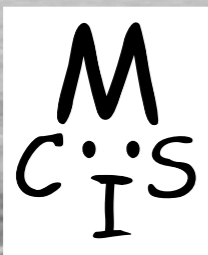
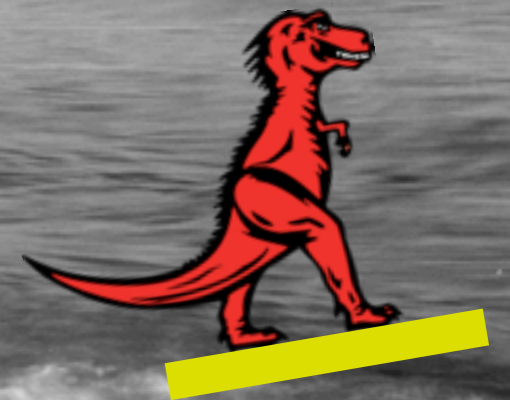


2013 International Workshop on Release Engineering

Bram Adams Chris Bird Foutse Khomh Kim Moir

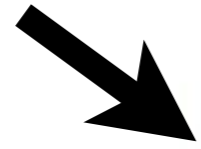


Microsoft



Are we in the right room?

people in the room





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Member Login

On average we
deploy new code **fifty** times
a day.

in 00 different countries!

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Choose Your FREE Avatar

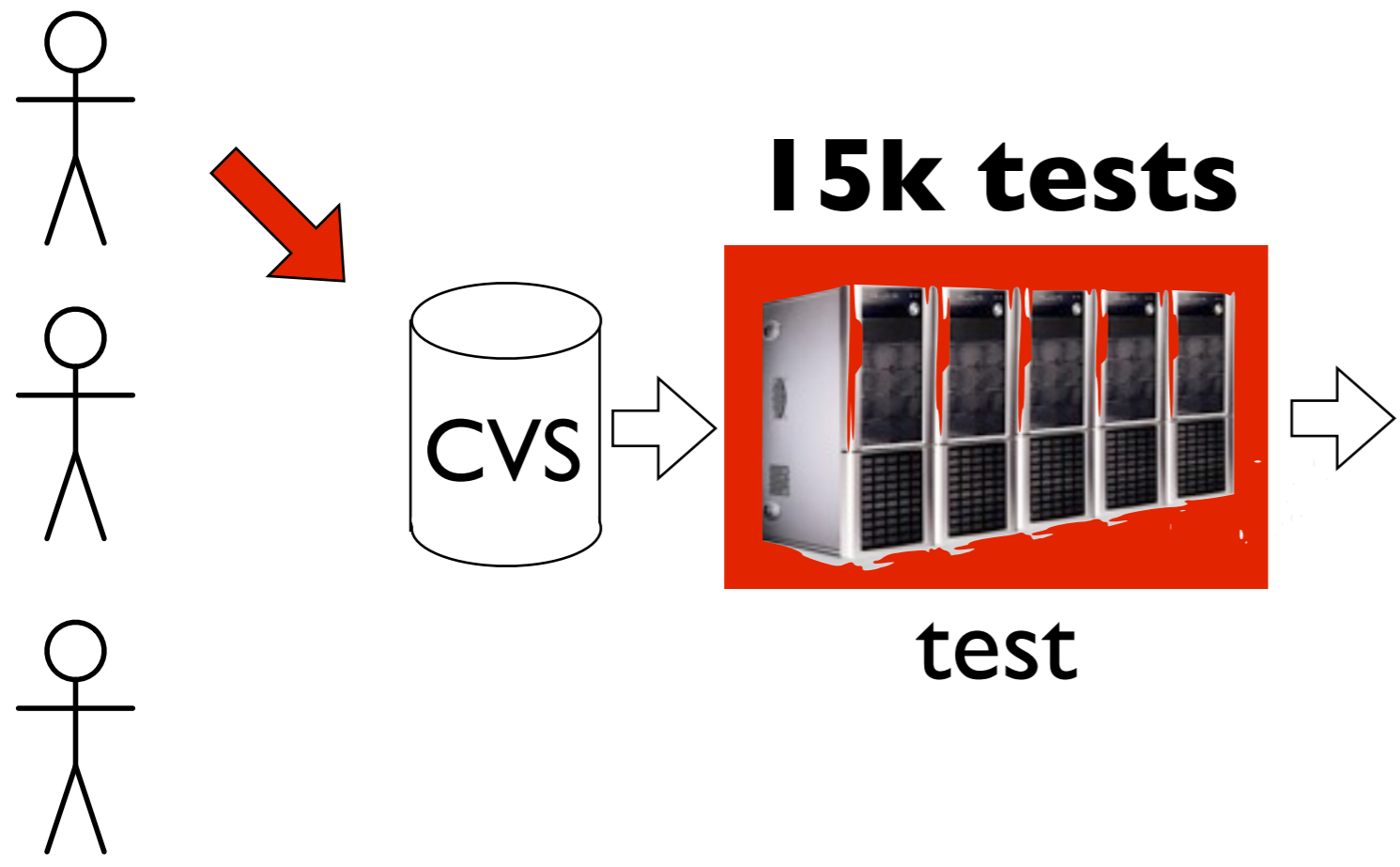
Over 2 Million people
like IMVU on Facebook!

M
C·iS
I

FREE



Continuous Delivery



15k tests




continuous integration

9 min.

staging/production

6 min.

A photograph of Mark Zuckerberg speaking into a microphone. He is wearing a dark grey t-shirt and has his hair styled in his signature curly cut. A white speech bubble is overlaid on the left side of the image, containing the text "Work fast and don't be afraid to break things." The background is dark and out of focus.

Work fast and
don't be afraid to break
things.

Mark Zuckerberg
CEO & Founder, Facebook

TIMELINE

6 weeks

Awesomeness lands on Firefox Nightly

6 weeks

Stabilize on Firefox Aurora

More awesomeness on Firefox Nightly

6 weeks

Stabilize on Firefox Beta

Stabilize on Firefox Aurora

Even more awesomeness on Firefox Nightly

6 weeks

Firefox Release!

Stabilize on Firefox Beta

Stabilize on Firefox Aurora

6 weeks

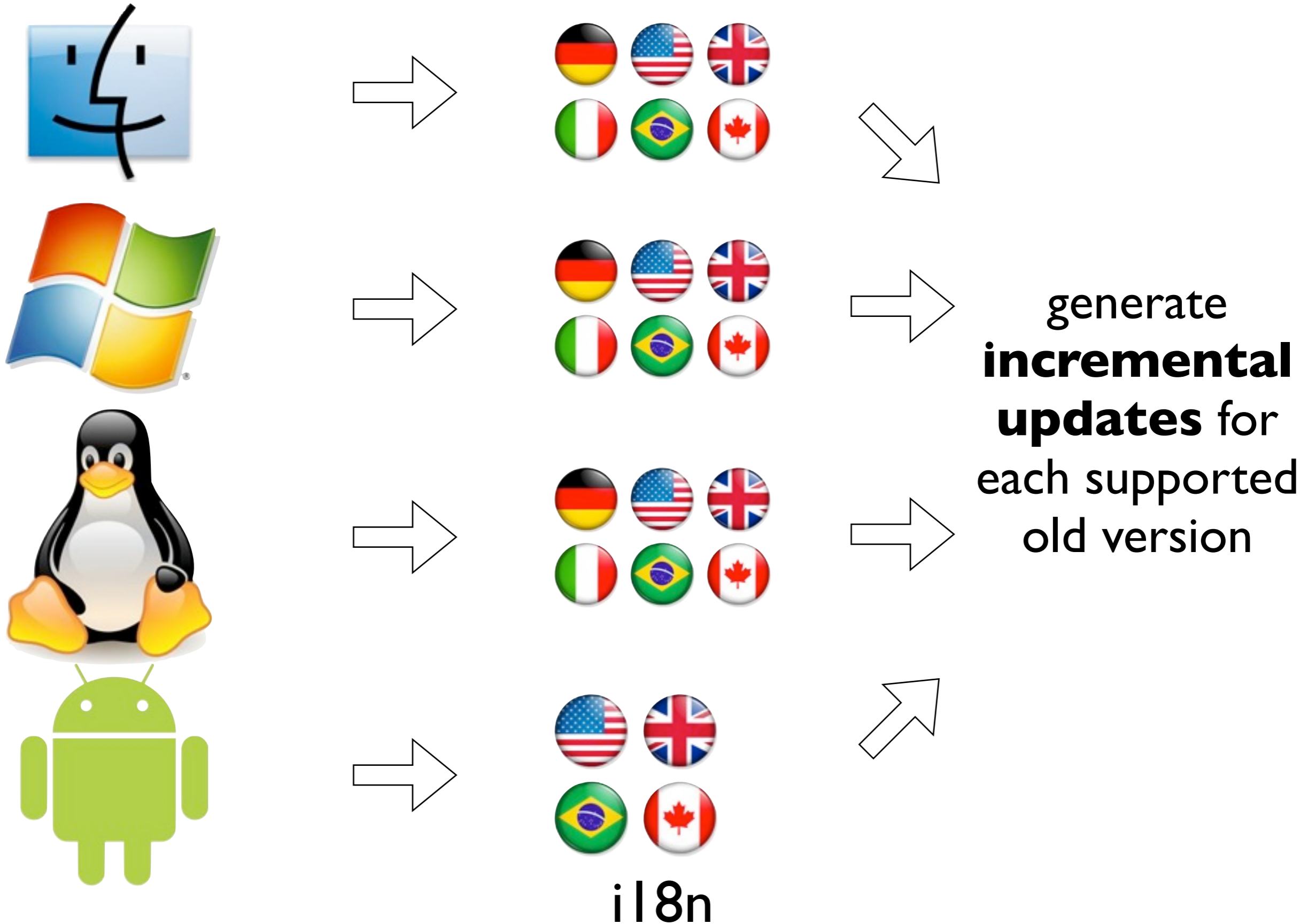
Firefox Release!

Stabilize on Firefox Beta

Firefox Release!

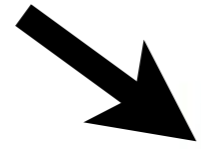
Even Desktop Apps Release More Frequently ...

... and look at that variability!



OK, please tell us about your
workshop

people in the room



RELENG in a Nutshell

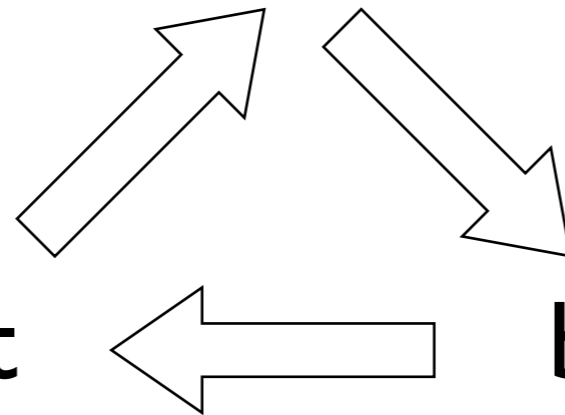


in-house/3rd party
development

integrate

test

build

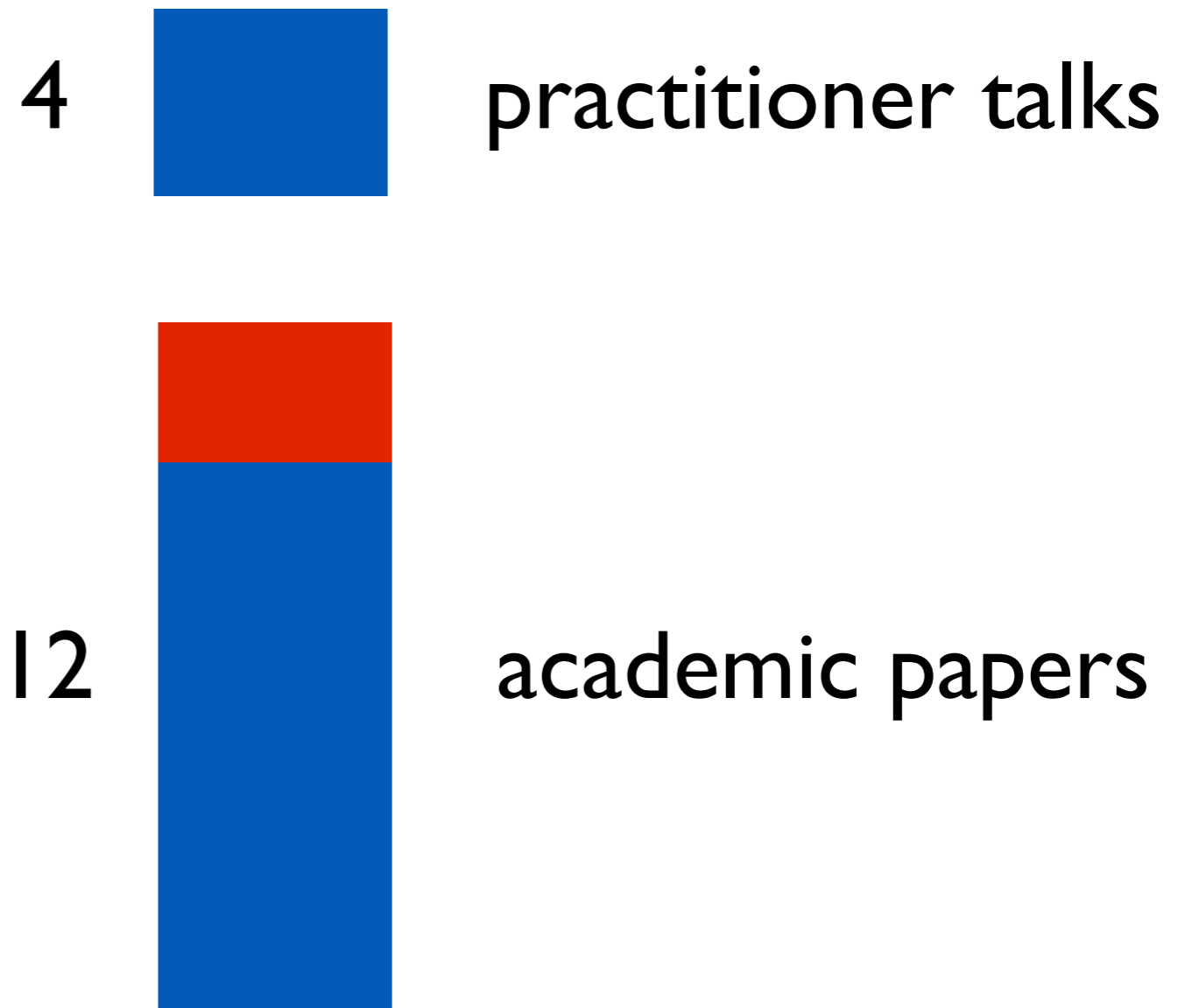


Planning & monitoring



delivery

Submissions





UNIVERSITY OF
CALGARY



UNIVERSITY of WISCONSIN
MILWAUKEE



University
of Victoria



NICTA



UNIVERSITÉ
Concordia

UNIVERSITY



Jan Bosch

Arie van
Deursen

Daniel M.
German

Michael
Godfrey

Reid Holmes

Sarah Nadi

Mei Nagappan

Tien N. Nguyen

Dewayne E.
Perry

Adam Porter

Slinger
Roijackers
Jansen

Guenther Ruhe

Andy Zaidman

Yuanyuan
Zhang

Ray Cort

Sonia Dimitrov

Eelco Dolstra

Christina Ho

Merijn de
Jonge

John Ransier

Paul Reed

Hyrum Wright

Stefano
Zacchioli

How Academics see RELENG



How Practitioners see RELENG



Welcome Session [Room: Seacliff C]

08:30 am

Introduction & Speed Dating

Session 1: May the Force Be with RELENG [Room: Seacliff C]

09:00 am

Keynote: **Release Engineering as a "force-multiplier"**

by **John O'Duinn**

(Director of Release Engineering at Mozilla Corporation)



10:00 am

Eliciting Operations Requirements for Applications by Len Bass, Ross Jeffrey, Ingo Weber, Hiroshi Wada and Liming Zhu (NICTA, Australia) [*research talk*]

Releasing sooner or later? - An optimization approach and its case study evaluation by Jason Ho and Guenther Ruhe (University of Calgary, Canada) [*research talk*]

Discussion

10:30 am

Coffee Break

Session 2: Your Code will be Integrated [**Room: Seacliff C**]

11:00 am

Using hg & git for the same codebase by Hal Wine (Mozilla, Inc.) [*practitioner talk*]

What effect does Distributed Version Control have on OSS Project

Organization? by Peter Rigby, Earl Barr, Chris Bird, Premkumar Devanbu and Daniel German (Concordia University/University College London/Microsoft Research/University of California at Davis/University of Victoria, Canada/US) [*research talk*]

The Future of Continuous Integration in GNOME by Colin Walters, Germán Poo-Caamaño and Daniel German (Red Hat/GNOME/University of Victoria, Canada) [*research talk*]

Automating Build, Test, and Release with Buildbot by Dustin Mitchell and Tom Prince (Mozilla, Inc.) [*practitioner talk*]

Kanbanize the Release Engineering Process by Nouredine Kerzazi and Pierre.N Robillard (Payza.com/École Polytechnique de Montréal, Canada) [*research talk*]

Discussion

12:30 pm

Lunch

Session 3: Delivery in 30 Minutes, or it's Free! [Room: Seacliff C]

02:00 pm

Keynote: [Against All Odds – Completely Overhauling LinkedIn's Release Process](#)

by **Roman Scheiter**

(Director of Engineering Services at LinkedIn)



03:00 pm

Self-Service Build and Delivery at Netflix by Gareth Bowles (Netflix, Inc.)
[practitioner talk]

Charon: Declarative Provisioning and Deployment by Eelco Dolstra, Rob Vermaas and Shea Levy (LogicBlox, Inc.) *[research talk]*

Continuously Releasing at Google by Akos Frohner and Boris Debic (Google, Inc.)
[practitioner talk]

Discussion

04:00 pm

Coffee Break

Session 4: Building the Future of RELENG [Room: Seacliff C]

04:30 pm

Packaging Automation for Many Heterogeneous Target Platforms : "make all_the_things" by Moses Mendoza and Matthaus Owens (Puppet Labs) [*practitioner talk*]

Adding Automatic Dependency Processing to Makefile-Based Build Systems, with Amake by Jim Buffenbarger (Boise State University, US) [*research talk*]

Build Maintenance with Formiga by Ryan Hardt and Ethan Munson (University of Wisconsin-Milwaukee, US) [*research talk*]

Discussion



Build engineering, DevOps, release management & everything in between!



Paul Reed

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14 Does Your Entire Team Have to Git It?

MAY 13

For episode 20, we tackle the topic of tooling proficiency on your release engineering, ops, and development teams, specifically through the lens of version control tools. Version control is becoming a ubiquitous part of the “DevOps movement,” and we talk through what level of understanding should be expected, what level of training should be provided, and whether those are different for different teams or different tools. Plus, we poke a lil’ fun at git, as we try to answer:

Does Your Entire Team Have to Git It?

The Ship Show is a twice-monthly podcast, featuring discussion on everything from build engineering to devops to release management, plus [interviews](#), new [tools and techniques](#), and [reviews](#).

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- RT [@epu: @ShipShowPodcast](#) unwinding with Sierra Nevada