

# Call me Apache Groovy

Cédric Champeau (@CedricChampeau)

# Groovy & Grails exchange



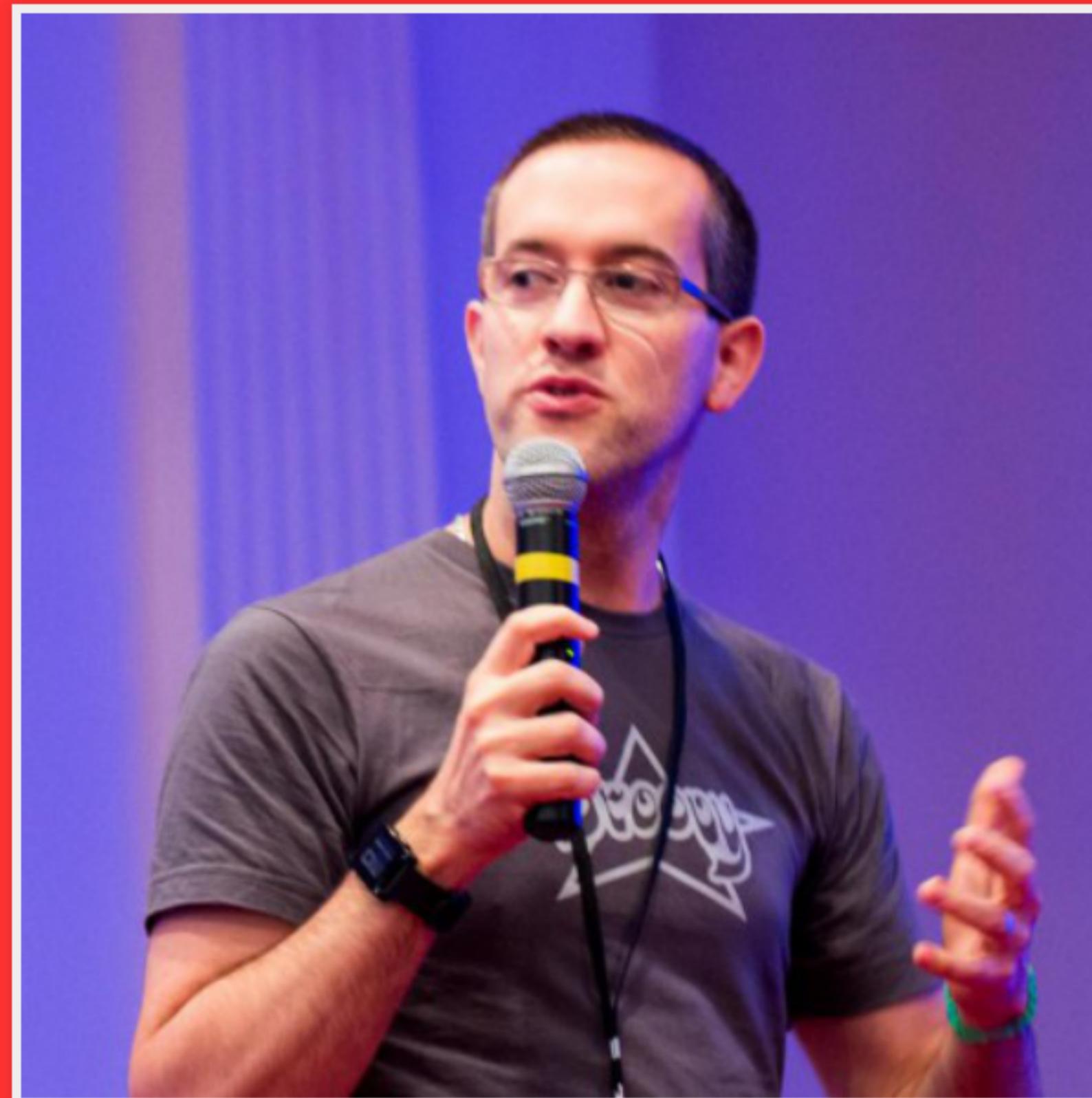
# Year 2003



# Highlights

- Creating a **dynamic language** for the JVM
- Inspired by Ruby

# Year 2004



# Highlights

- Builders (XML by John Wilson)
- Antlr grammar (Jeremy Rayner)

# Year 2005



# Highlights

- James leaves the project
- Grails work started

# Year 2006



# Highlights

- Guillaume takes lead
- Windows installer (Joachim Baumann)
- Grails 0.1
- 50% less commits as in 2006

# Year 2007

A large, vibrant fireworks display in the night sky above a city silhouette. The fireworks are primarily red and orange, creating a dense, spherical cluster that gradually disperses downwards. Below the fireworks, the dark silhouette of a city skyline is visible against the bright lights of the fireworks and the dark night sky.

**Groovy 1.0 released!**

# Year 2007



# Year 2007



# Highlights

- Groovy 1.5
  - On par with Java (generics, annotations, enums...)
  - Elvis operator
  - Joint compiler
- First *Groovy and Grails eXchange*
- Groovy in Action, first edition!

# Year 2008



**G2  
one**

# Year 2008



# Highlights

- Grails 1.0 released
- G2One acquired by SpringSource

# Year 2009

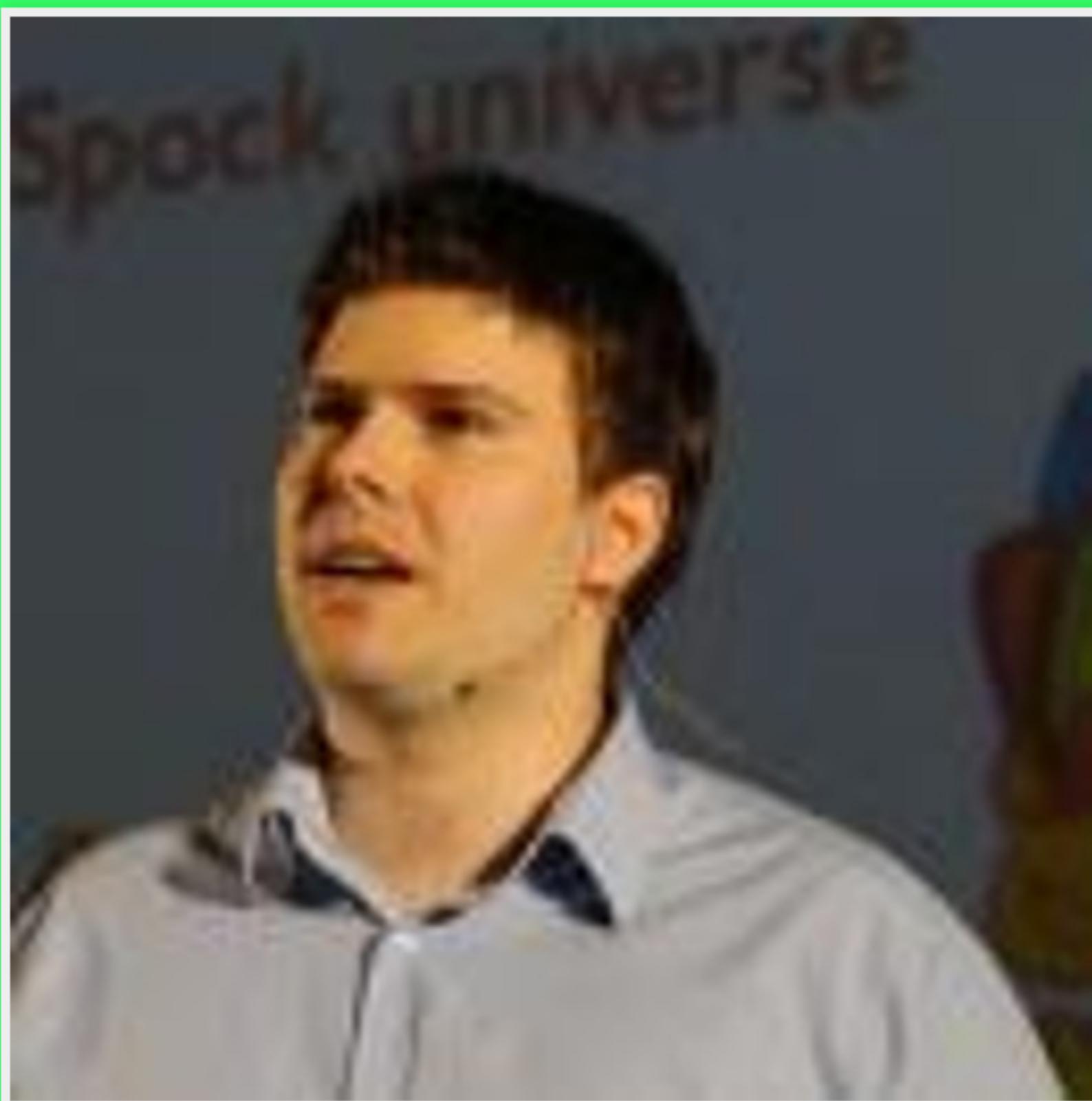
*I can honestly say if someone had shown me the Programming Scala book by Martin Odersky, Lex Spoon & Bill Venners back in 2003 I'd probably have never created Groovy.*

— James Strachan

# Highlights

- Groovy 1.6
  - performance improvements
  - AST xforms
- VMware acquires SpringSource

# Year 2010



# Highlights

- Groovy 1.7
  - Anonymous inner classes
  - Power Asserts
  - Grape
  - Customizing the Truth

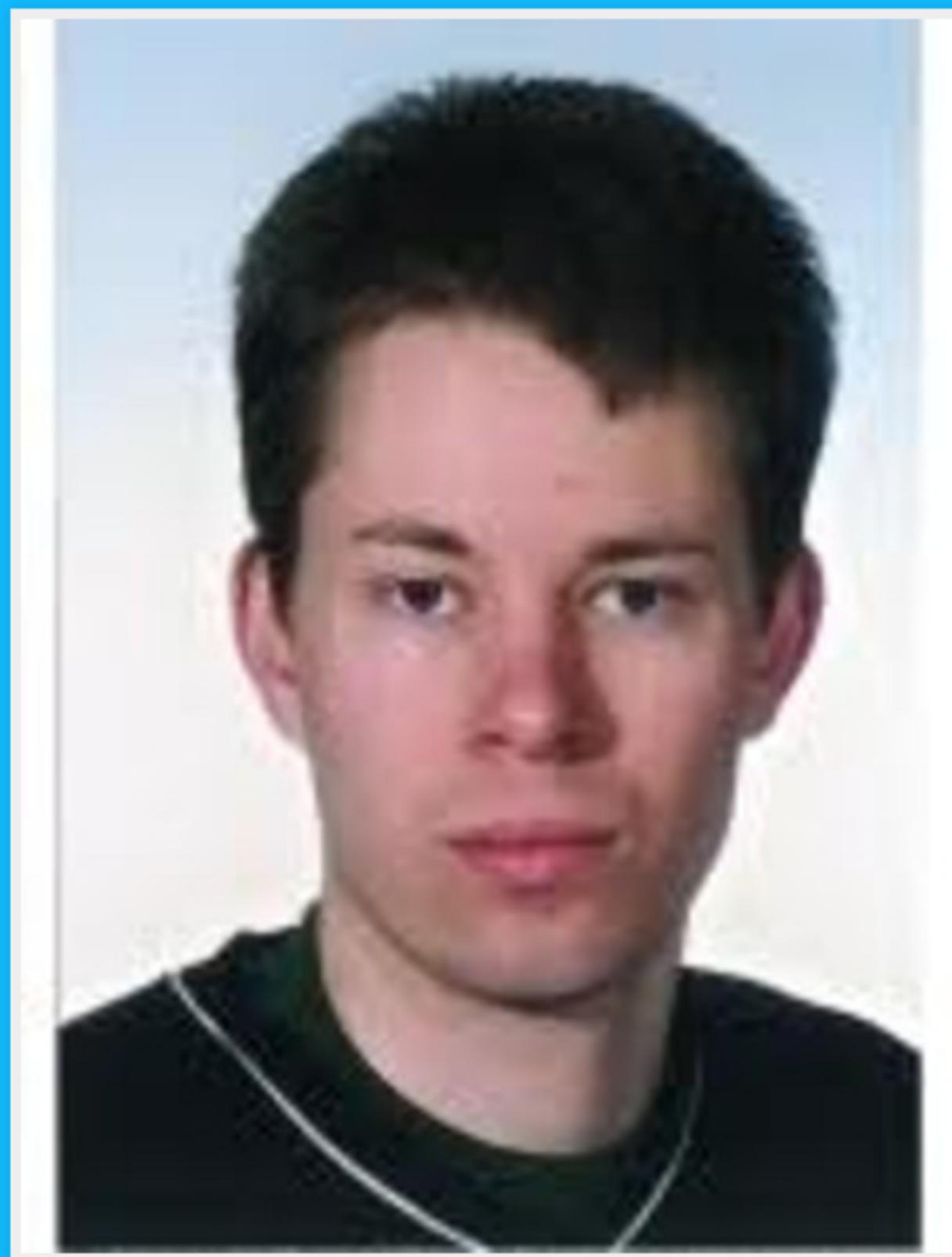
# Year 2011



# Highlights

- Groovy 1.8
  - Performance
  - Command chain expressions
  - Closures as annotations values (GContracts, ...)
- Grails 2.0

# Year 2012



# Highlights

- Groovy 2.0
  - @CompileStatic
  - modularization
  - alternate runtime
- Gradle 1.0

# **Year 2013**

52 unique contributors!

# Highlights

- Groovy 2.1
  - Full invokedynamic support
  - type checking extensions
  - `@DelegatesTo`
  - meta-annotations
- Groovy 2.2
  - implicit closure coercion
  - improved AST xforms (`@Memoized`, ...)
- GPars 1.0
- VMware spins off Pivotal

# Year 2014



66 unique contributors!

# Highlights

- Groovy 2.3
  - Runs on JDK 8
  - Traits
  - Markup Template Engine
- Gradle 2.0

# Year 2015



# Highlights

- Pivotal stops sponsoring
- Groovy 2.4
  - Android support
  - Smaller bytecode
- Grails 3.0
- OCI takes over Grails
- Groovy in Action, 2d edition

# PMC

- Guillaume Laforge (PMC Chair)
- Cédric Champeau
- Paul King
- Guillaume Laforge
- Pascal Schumacher
- Jochen Theodorou
- Andrew Bayer
- Jim Jagielski
- Roman Shaposhnik
- Konstantin Boudnik



# **Community over code**

**11M**





# Groovy guys

# GPars



# GPars



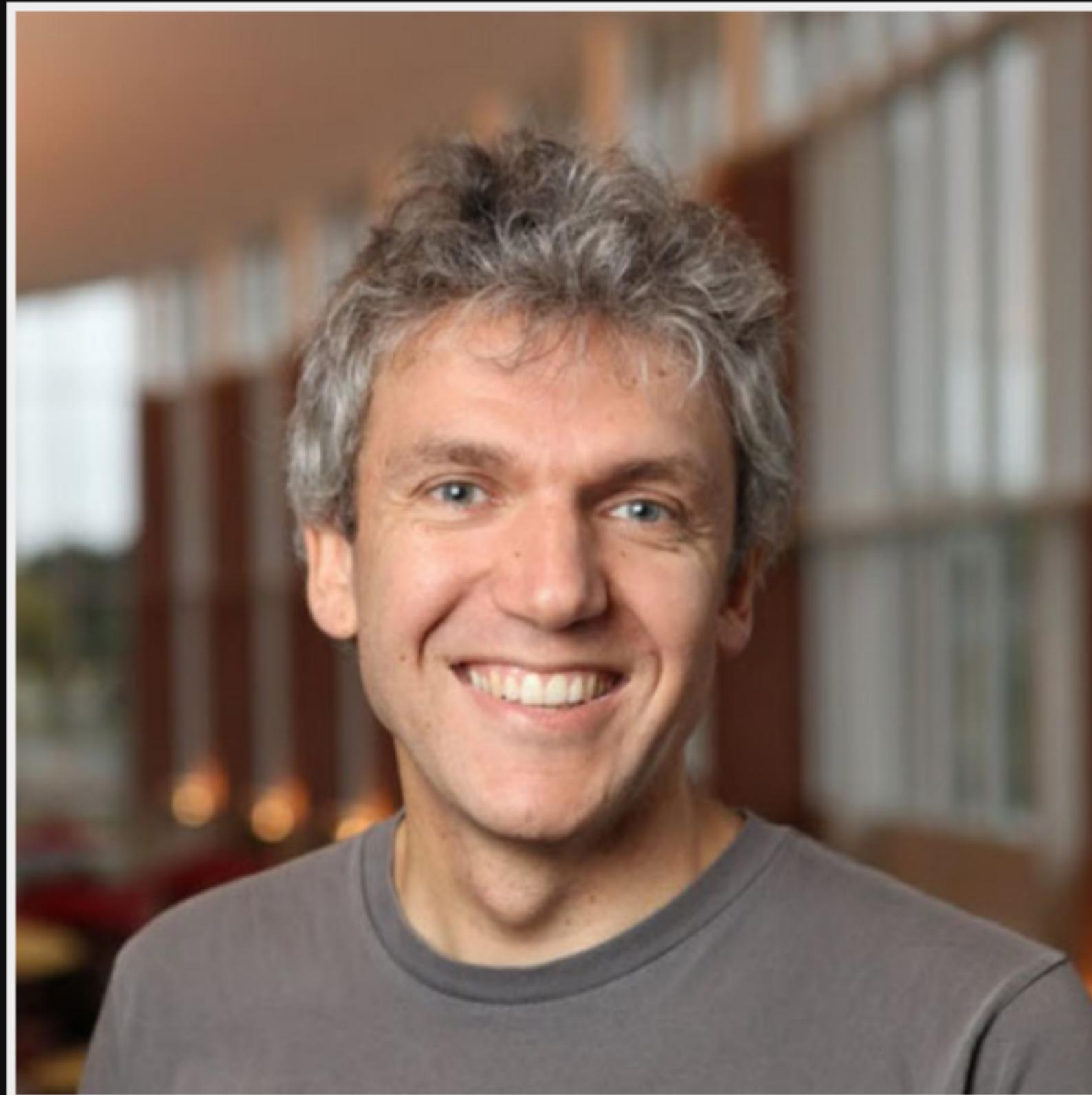
# GPars



# Griffon



# Gradle



# Gradle



A photograph of a massive wildfire. The flames are bright orange and yellow, with large plumes of dark, billowing smoke rising into the sky. The fire appears to be burning through a dry, grassy landscape. The overall scene is one of destruction and intensity.

**Year 2016**

# Highlights

- Groovy 2.5
  - Macros
- Groovy 3.0 development
  - Jigsaw?
  - Binary compatibility?
  - Require JDK8+?

# Cheers



# **Thanks to all our contributors!**

Jason Winnebeck

# Credits

<http://melix.github.io/blog/2015/02/who-is-groovy.html>

