C++ Club Meeting Notes

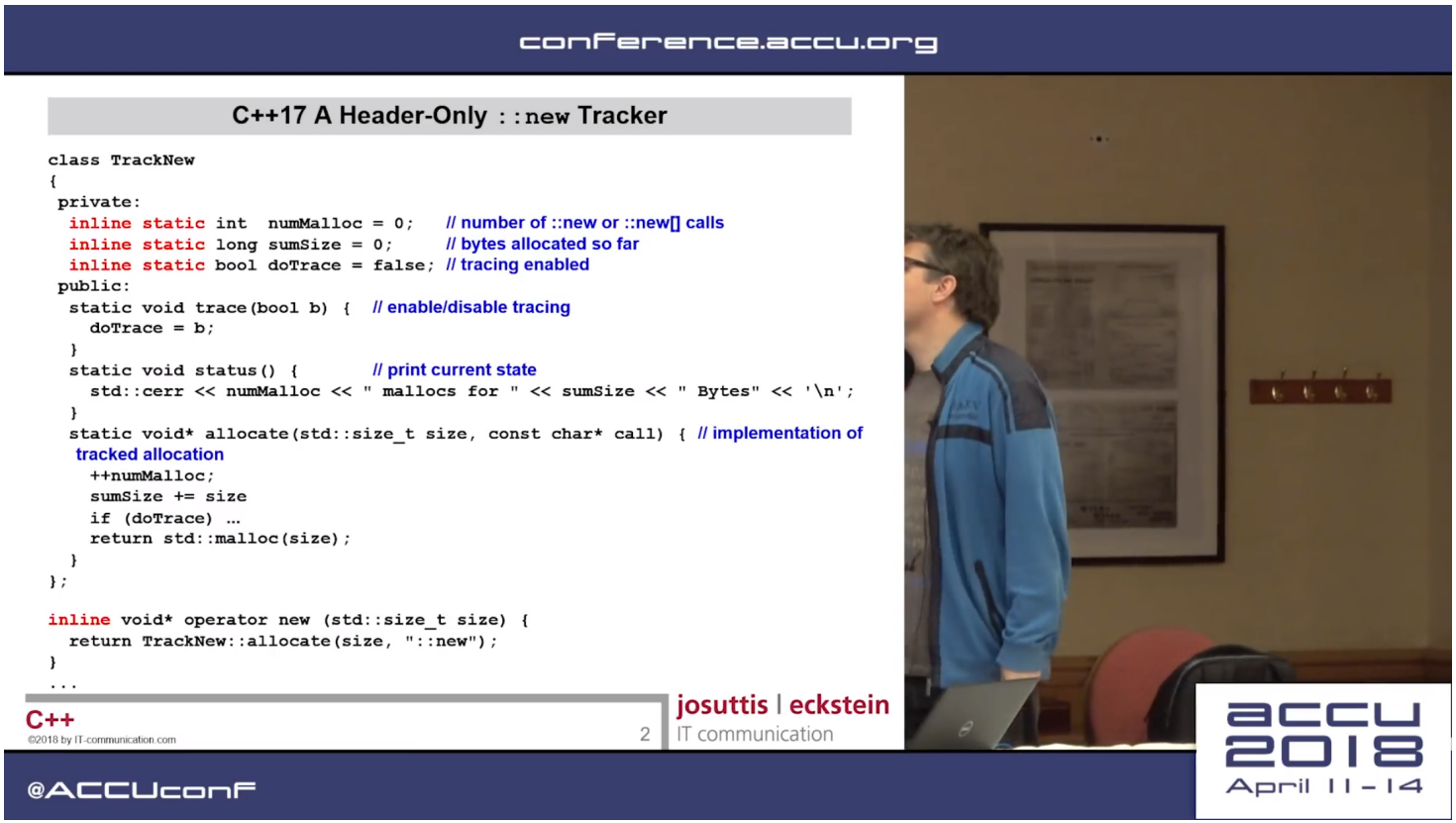
Gleb Dolgich

2018-04-26

ACCU Conf 2018 (2018-04-10–2018-04-14) Trip Reports

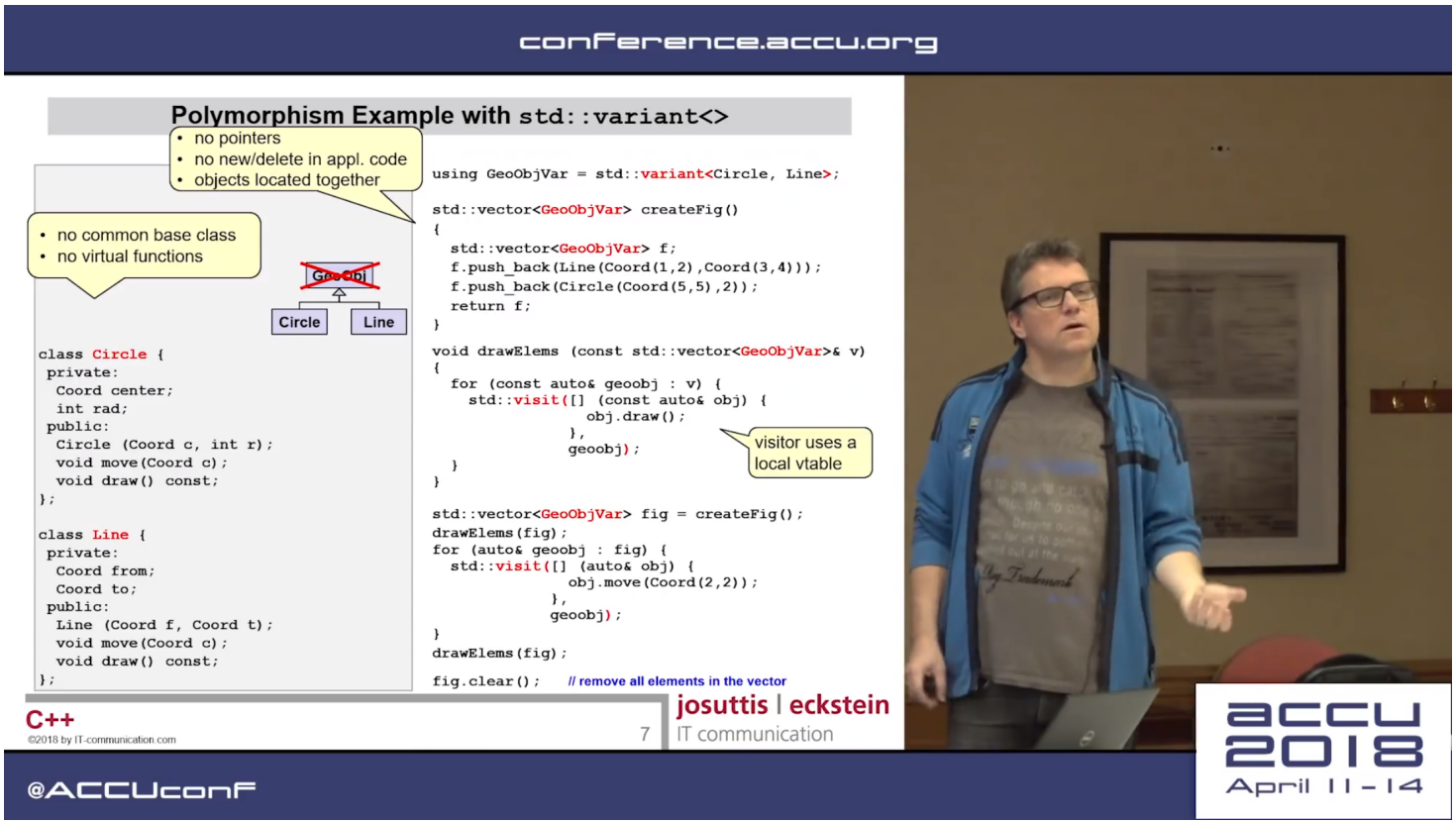
- JetBrains, by Anastasia Kazakova (PMM for C++ Tools), Timur Doumler (Software Developer in the CLion team) and Phil Nash (JetBrains C++ tools Developer Advocate)
- Felix Petriconi
- Mathieu Ropert
- Arne Mertz

- YouTube
- Reddit

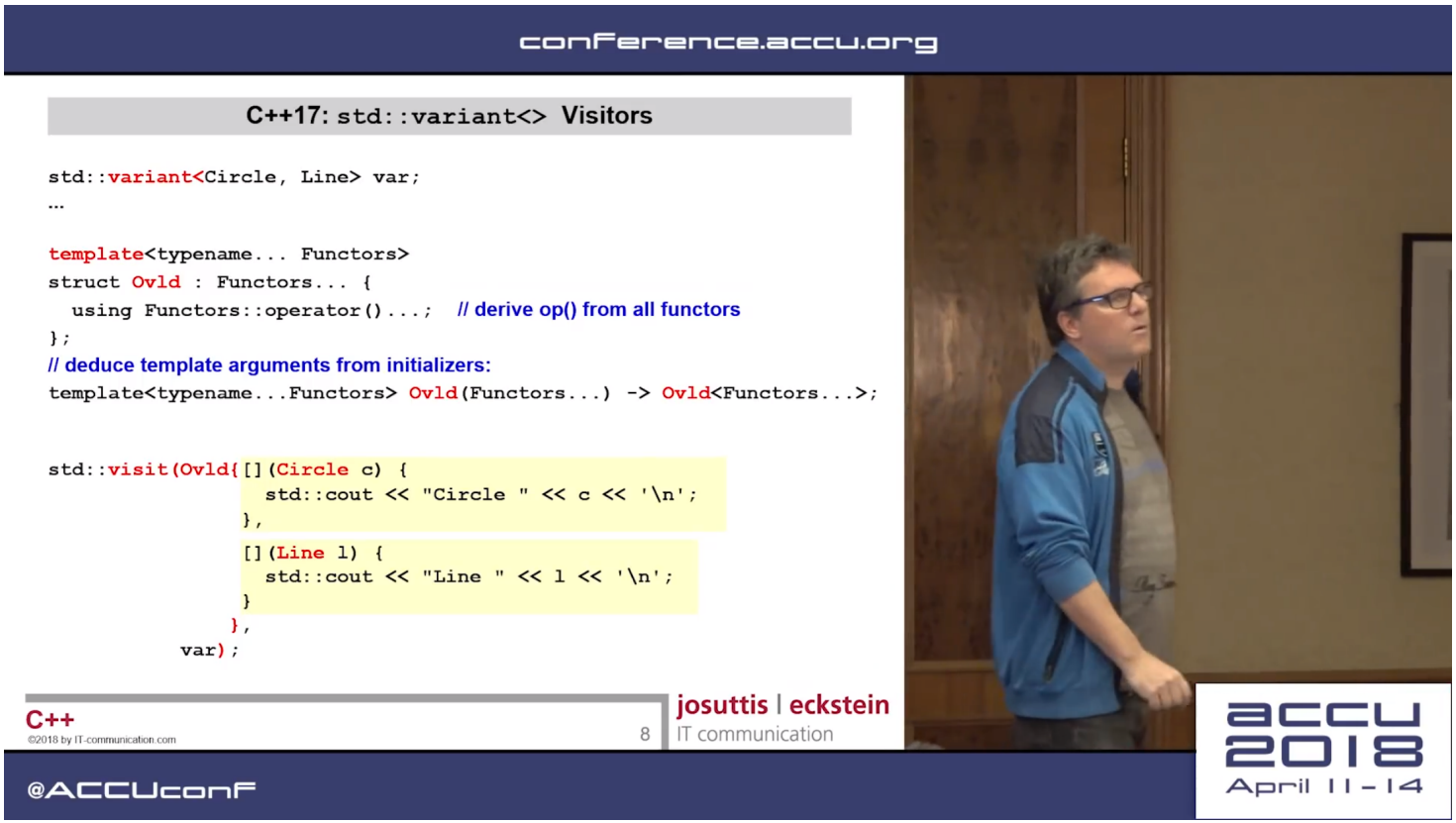


C++17 - The Best Features - Nicolai Josuttis (ACCU 2018) (cont.)

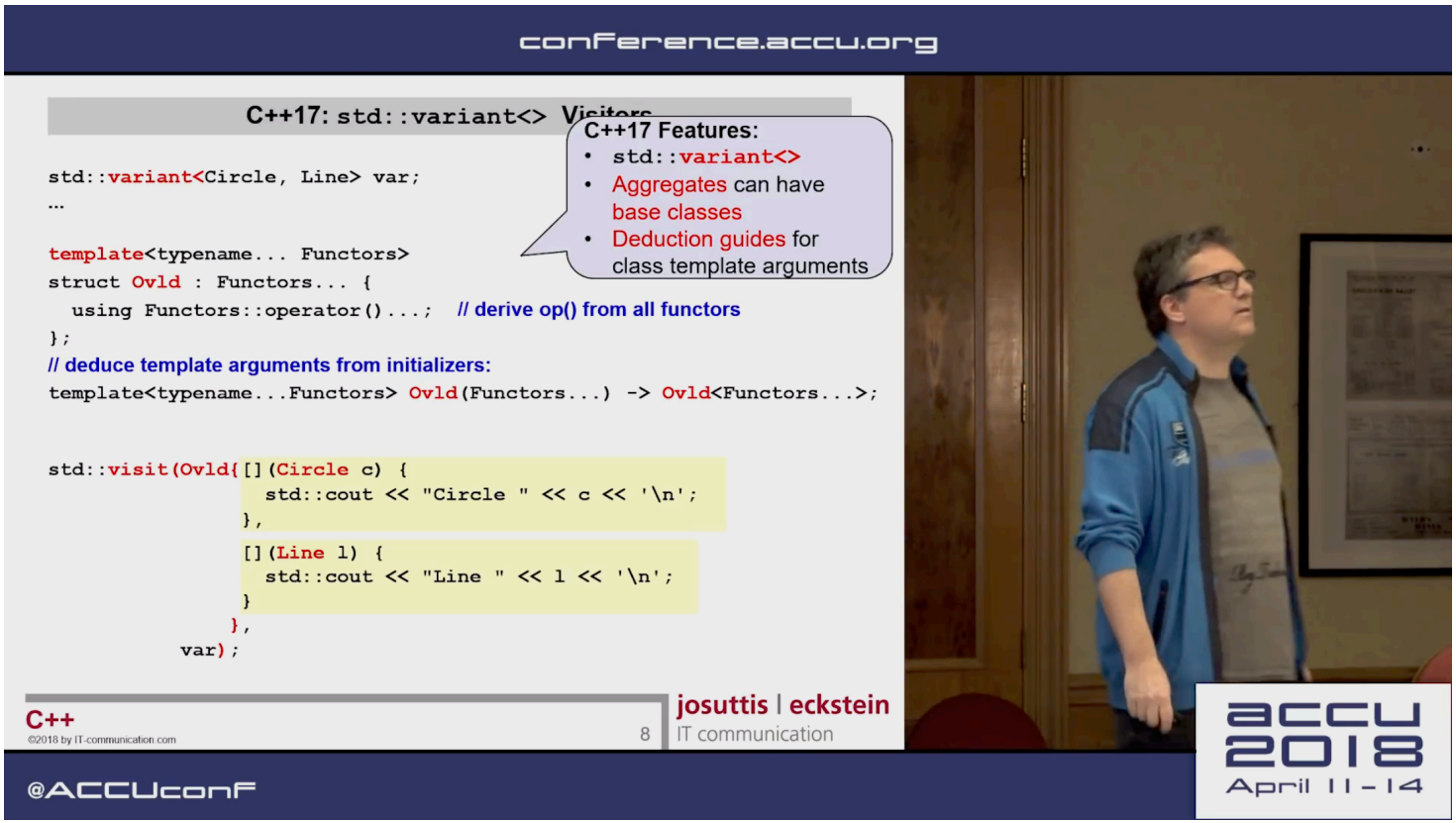
C++17 - The Best Features - Nicolai Josuttis (ACCU 2018) (cont.)



C++17 - The Best Features - Nicolai Josuttis (ACCU 2018) (cont.)



C++17 - The Best Features - Nicolai Josuttis (ACCU 2018) (cont.)



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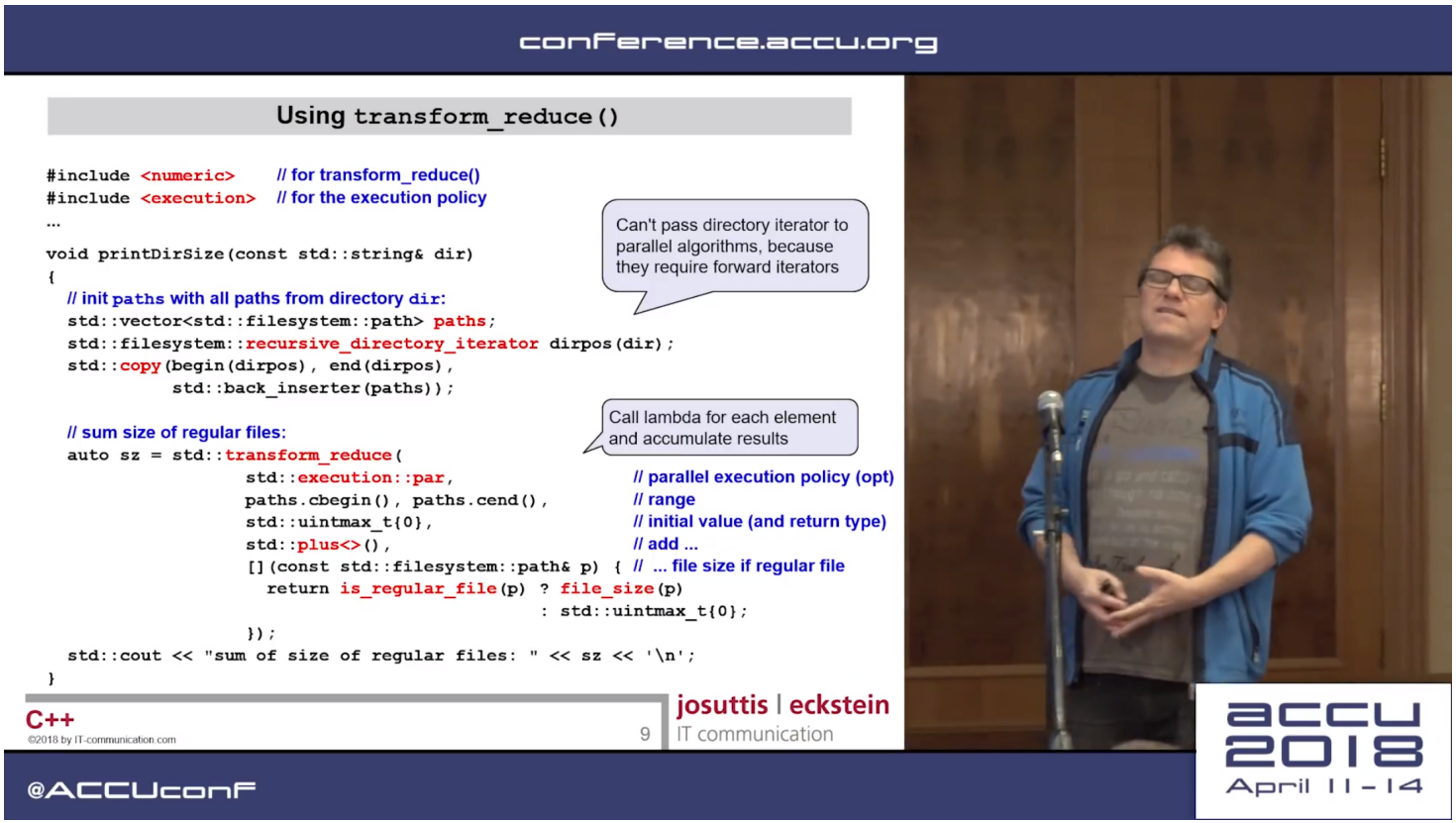

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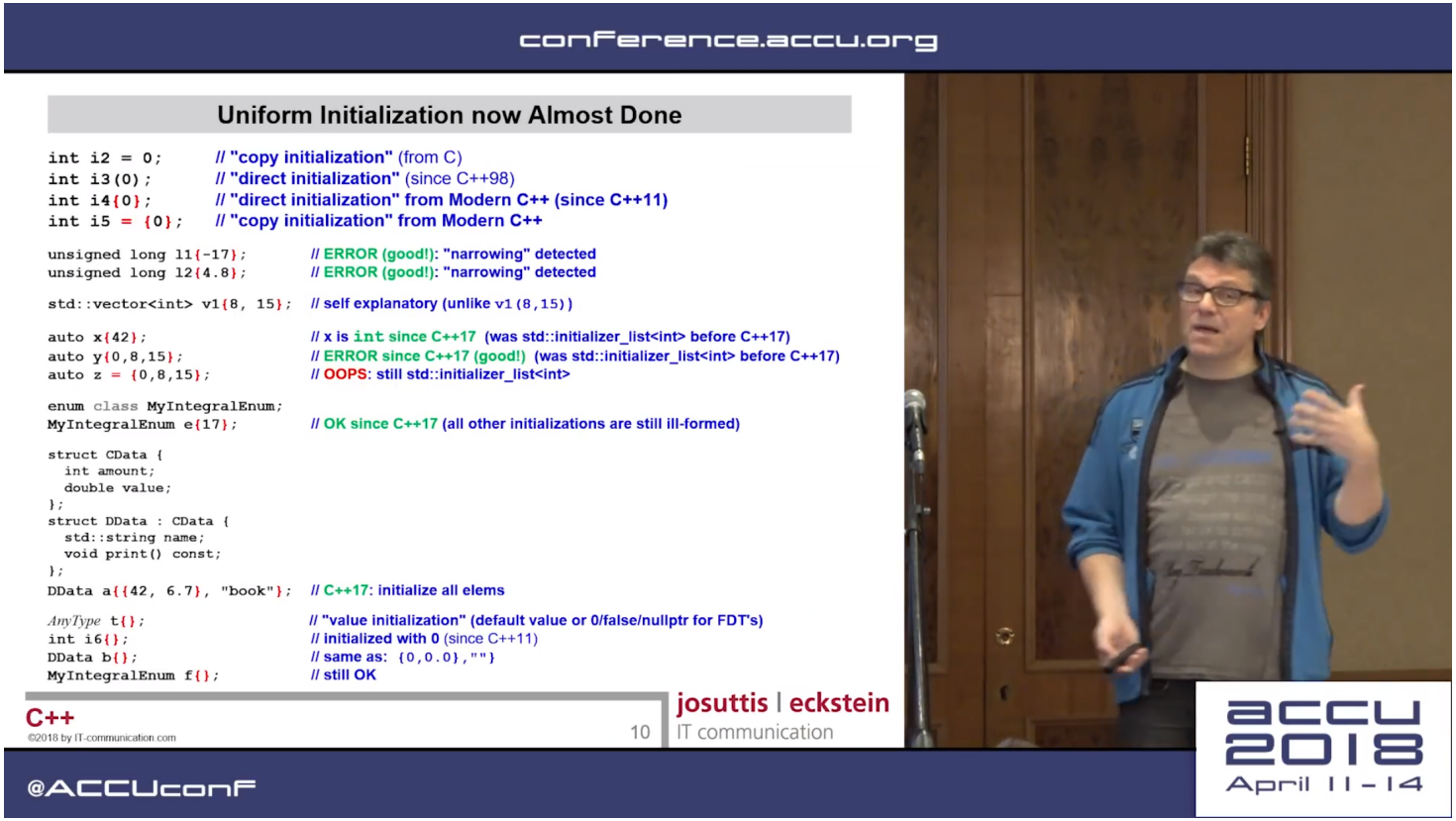


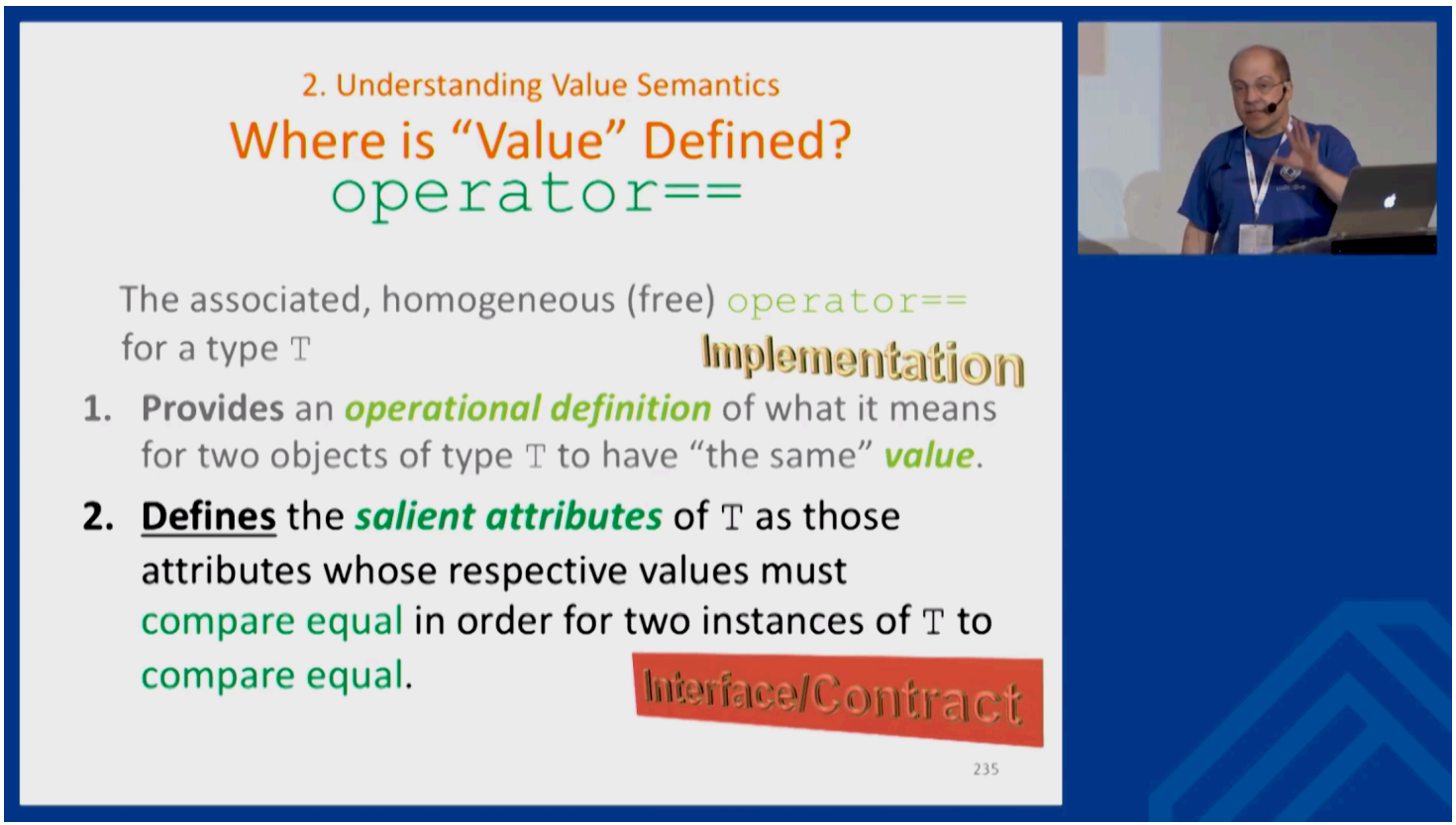
VCPkg, now for Linux and macOS

- Post
- Reddit, Reddit

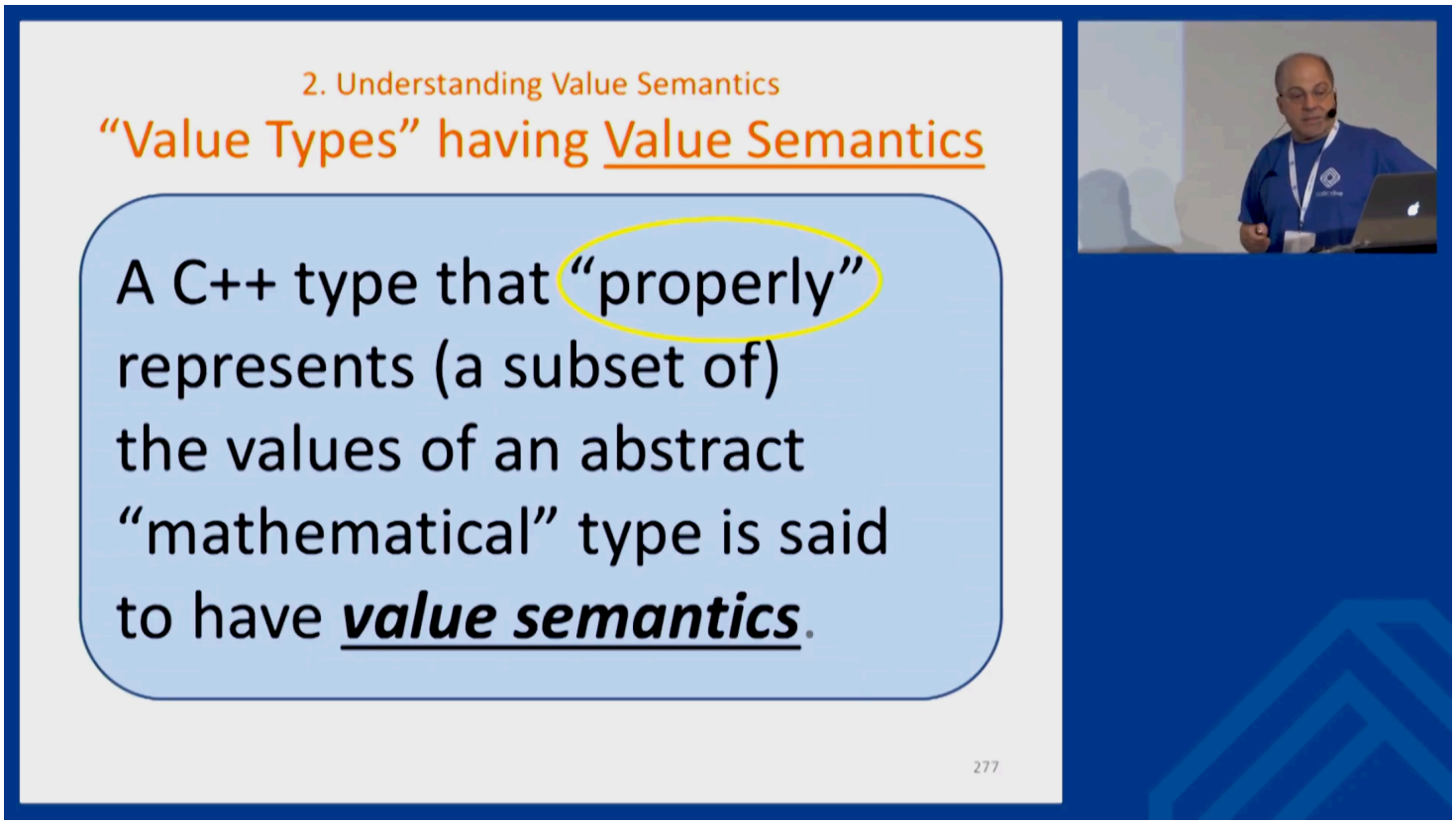
- Website
- GitHub

code::dive 2017 – John Lakos – Value semantics: It ain't about the syntax!

▶ Video



code::dive 2017 – John Lakos – Value semantics: It ain't about the syntax! (cont.)



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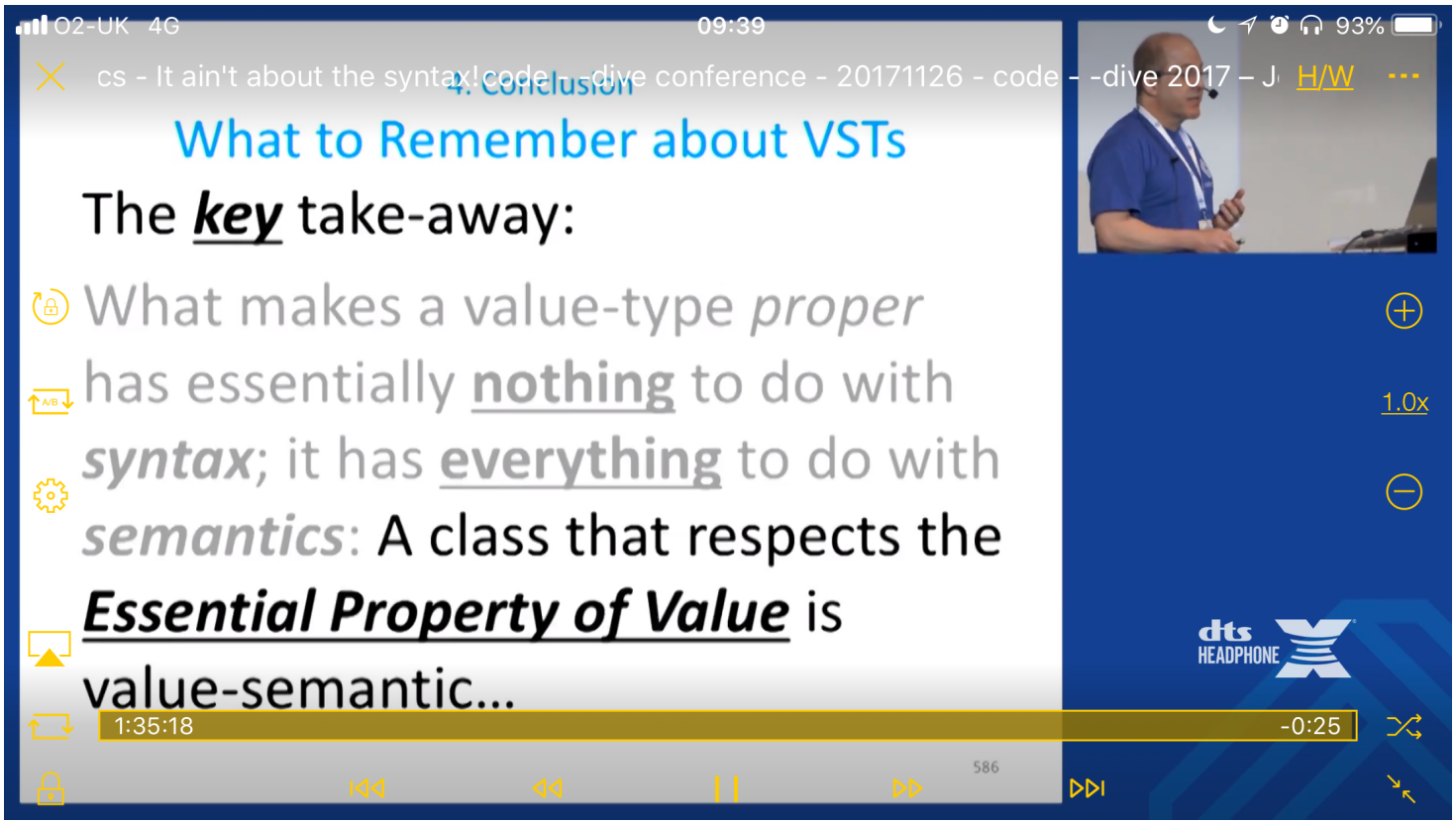

Reddit: Why is modern C++ seemingly not being taught?

- Reddit

Reddit: Why is C++ so hated?

- Reddit

C++ in Zircon (Fuchsia OS kernel)

- Readme

Brigand – Instant compile time C++11 metaprogramming library

- GitHub (header-only, Boost Software License 1.0)
- Docs
- Meeting C++ 2015 video
- CppCon 2016 video
- Ebook

Everything you were doing with Boost.MPL can be done with Brigand.

Brigand – Instant compile time C++ 11 metaprogramming library (cont.)

- Example tasks:
  - Create a tuple from a list of types and then transform it into a variant
  - Look for the presence of a type in a tuple and get its index
  - Sort a list of types
  - Advanced static assertion with arithmetics and complex functions
  - Go through a list of types and perform a runtime action for each type

- Post

FoundationDB and Flow by Apple

- Post

Flow, a new programming language that brings actor-based concurrency to C++11. Flow is implemented as a compiler which analyzes an asynchronous function (actor) and rewrites it as an object with many different sub-functions that use callbacks to avoid blocking. The Flow compiler's output is normal C++11 code, which is then compiled to a binary using traditional tools. Flow also provides input to our simulation tool, which conducts deterministic simulations of the entire system, including its physical interfaces and failure modes. In short, Flow allows efficient concurrency within C++ in a maintainable and extensible manner.

Website

Twitter


T045TBR0T
@t045tbr0t
1 Reply, 99 Quotes
finally, a monitor that will fit the entire name of my Java classes
10/03/2018, 00:57 (Saturday)
Twitter for Android
Retweeted by @lenoir_aaron
10/03/2018, 20:44
19024 Likes
6941 Retweets
Thread
MSUNG
QLED GAMING MONITOR