C++ Club Meeting Notes

Gleb Dolgich

2018-05-17

Visual Studio 2017 version 15.7

- Microsoft blog post
- MSVC Conforms to the C++ Standard
- Reddit

Diet Graphics

- p1062R0
- Reddit

  The proposed programmatic 2D drawing library is not a good fit for C++.

Macros and modules

Reddit: Really think that the macro story in Modules is doing more harm than good

Modules and macros: a reasonable compromise (?)

- Post
- Reddit: “Nope”

What modules actually provide

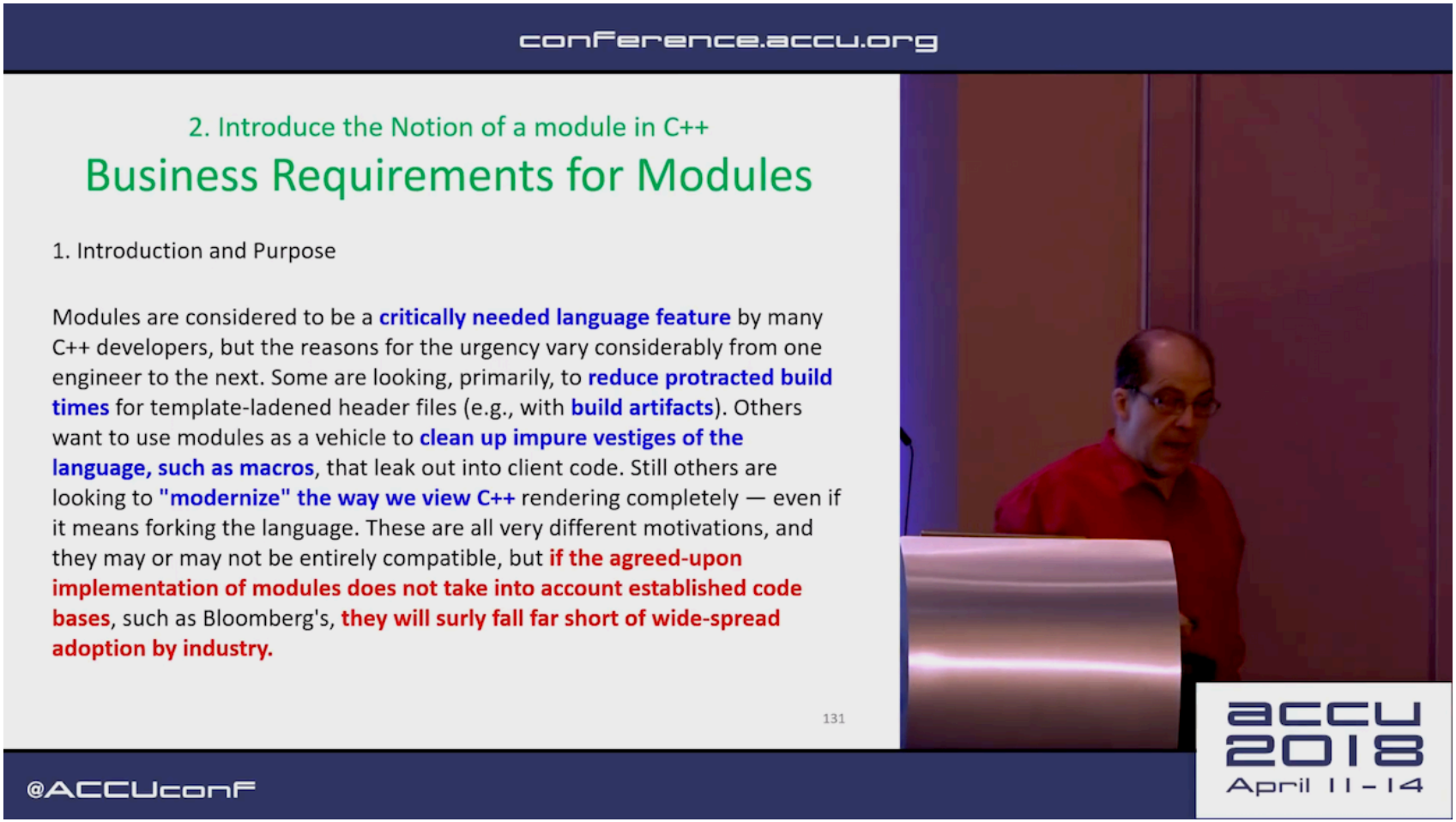
- Reddit

C++ Modules and Large-Scale Development - John Lakos, ACCU 2018

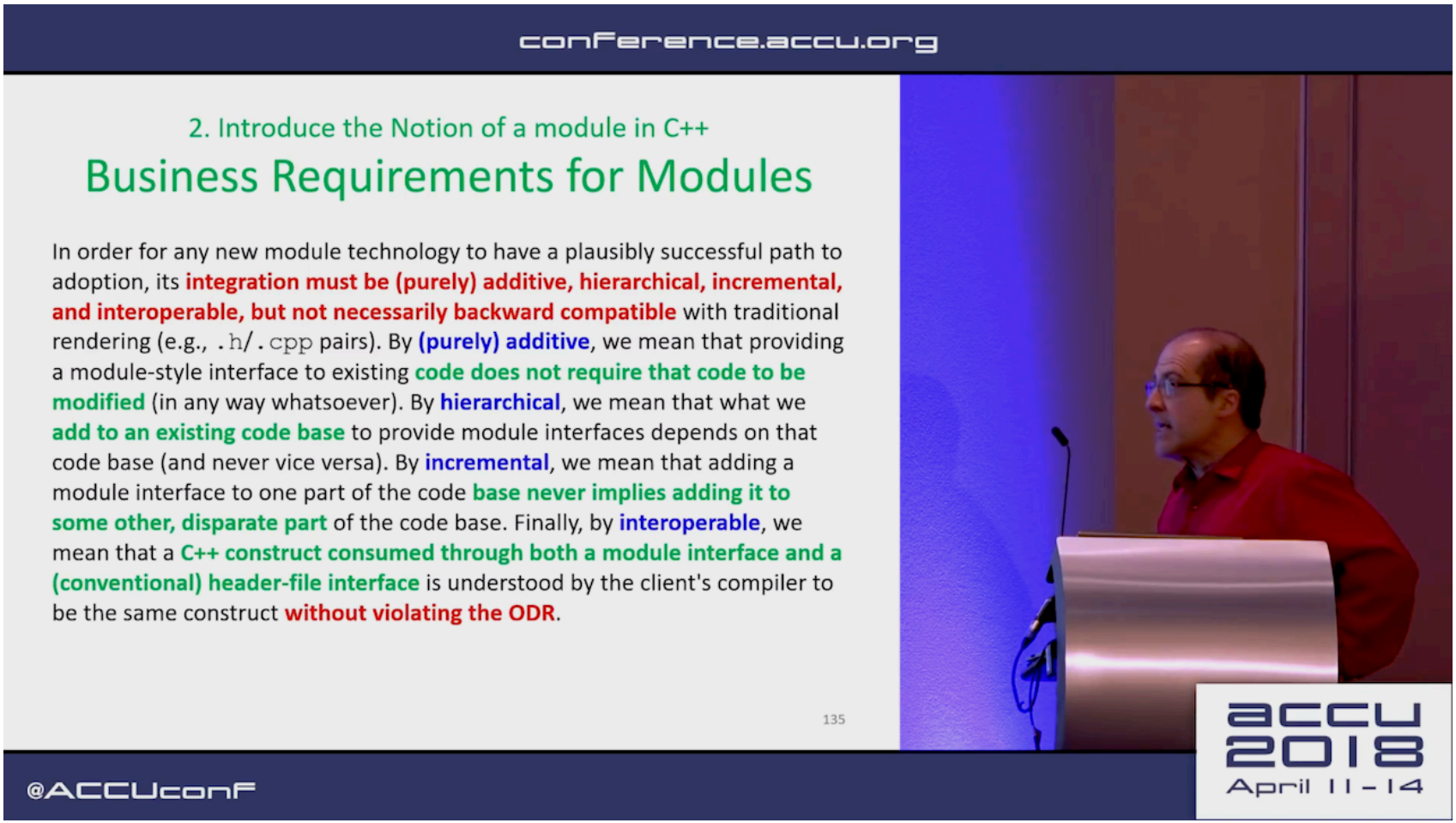
Video

C++ Modules and Large-Scale Development - John Lakos, ACCU 2018

- Bloomberg doesn’t allow free functions (?!)



C++ Modules and Large-Scale Development - John Lakos, ACCU 2018



Must-watch C++ talks

- Reddit thread
- Matt Godbolt: What Has My Compiler Done for Me Lately? Unbolting the Compiler's Lid (CppCon 2017)

Runtime Compiled C & C++ Solutions

List

Boost.Text: What a C++ standard Unicode library might look like

- GitHub
- Docs
- Intro

  C++ is one of a select few major languages with no built-in support for Unicode. If nothing else, this is an embarassment that should be remedied.

Transwarp 1.3.0

- Release notes
- GitHub – C++11, MIT
- Comparison to other libraries

Transwarp is a header-only C++ library for task concurrency. It enables you to free your functors from explicit threads and transparently manage dependencies. Under the hood, a directed acyclic graph is built that allows for efficient traversal and type-safe dependencies. Use *transwarp* if you want to model your dependent operations in a graph of tasks and intend to invoke the graph more than once.

C++ Committee Pre-Rappersvil mailing

- Mailing
- Reddit thread

P0709: Zero-overhead deterministic exceptions

- P0709R0
- Reddit thread

Quote


BEING A
PROGRAMMER
IS EASY. IT'S LIKE
RIDING A BIKE
EXCEPT THE BIKE IS ON FIRE,
YOU ARE ON FIRE,
EVERYTHING IS ON FIRE
AND YOU ARE IN HELL.