

C++ Club UK Meeting 110

Gleb Dolgich

2020-07-09

- mailing2020-06
 - [Reddit](#)

Select papers

- [P2184R0 HOPL: Thriving in a Crowded and Changing World: C++ 2006–2020](#)
- [P2164R1 views::enumerate](#)
- [P2093R0 Formatted output](#)

C++20

Proposed

```
std::cout << std::format("Hello, {}!", name);    std::print("Hello, {}!", name);
```

- [Reddit](#)

Links

- [Coursera: Algorithms, Part I](#) (Princeton University, free, no certificate)
- [Book: Competitive Programmer's Handbook](#), by Antti Laaksonen, 2018

- [Reddit](#)

The “difficult” part of C++

- [Reddit](#)

C++ is kind of like quantum physics: the more you understand it the less you understand it. #

In a hypothetical situation, backwards compatibility is no longer an issue in C++. What would you change about the core language or the standard library?

- **Reddit**
 - Rust gets mentioned!

C++ is too slow to compile

- Reddit

Tools

- Build time profiler for Clang
- Clang Build Analyzer

Microsoft: Rust Is the Industry's 'Best Chance' at Safe Systems Programming

- Microsoft
 - Reddit

Rust is a great language. Like C++, it trusts the programmer, and like Java, it doesn't trust the programmer. #

- CXX — safe FFI between Rust and C++

- Stuart Wheaton
 - Reddit

*C++**11** posted on June 14, **2020**?*

Illustrative Boost 1.73 epoch report

- Report
 - Reddit

Hiding C++ template parameter packs in a tuple

- Raymond Chen

- [Gist](#)
 - [Reddit](#)
- [Howard Hinnant's date library](#)

- [Filip Dutescu \(GitHub\)](#)
 - [Reddit](#)

A template for modern C++ projects using CMake, clang-format and unit testing

Quick reference of C++ value categories

- Part 1
- Part 2

- [GitHub](#) (C++20, BSD-3-Clause)
 - [Reddit](#)

Modern C++ Parallel Task Programming

- [Home](#)
- [GitHub](#)
- [Taskflow 2.5 announcement on Reddit](#)
- [Taskflow - C++ Parallel Tasking System, by Manoj Rao](#)

- [GitHub](#) (C++17, header-only, MIT)

C++ based Rest web server for large scale production environment

- Reddit
- C++ libraries for restful micro services development

- Douglas Schmidt, YouTube playlist
 - Reddit

Colin Yates @yatesco:

The biggest lie in Software Engineering is that it is about computers and not people.