

C++ Club Meeting Notes

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- ▶ [Announcement](#)
 - ▶ [Reddit](#)
- ▶ [Book: Professional CMake](#) – \$30
 - ▶ [Reddit](#)

MSVC Preprocessor Progress towards Conformance

- ▶ MSVC blog post
 - ▶ Reddit

2D Graphics TS at BSI

- ▶ [Guy Davidson's blog](#)
- ▶ [Reddit thread](#)
- ▶ [CppCast episode](#)

Four Habit-Forming Tips to Faster C++

Post by KDAB

1. Make use of the (named-) return-value optimisation
2. Return parameters by value whenever possible
3. Cache member-variables and reference-parameters
4. Organize your member variables intelligently

Modules TS example

Post

- ▶ [P1108R0](#)
 - ▶ [Reddit](#)

This paper proposes a `web_view` facility for the C++ standard library. This facility enables modern, natural, multimodal user interaction by leveraging existing web standards and technologies.

Full C++17 Filesystem Library Guide

Part of the book [C++17 – The Complete Guide](#) by Nicolai Josuttis
(Draft available now)

In-Place Construction for `std::any`, `std::variant` and `std::optional`

- ▶ [Post by Bartek Filipek](#)
- ▶ [Reddit](#)

C-Rez: A small tool to generate C arrays of data from a list of input files

- ▶ [Code \(MIT\)](#)
 - ▶ [Reddit](#)
- ▶ [p1040R0 std::embed by JeanHeyd Meneide](#)
 - ▶ [Implementation](#)

Book: The Modern C++ Challenge

- ▶ [Review by Scott Meyers](#)
- ▶ [Book page \(Packt\)](#)

Everything You Need to Know About `std::any` from C++17

► [Post by B. Filipek](#)

► [Post](#)

- ▶ [CppReference](#)

C++17 in libsigc++ : invoke, apply, and constexpr if

- ▶ [Post](#)
- ▶ [Code](#) (LGPL)
- ▶ [Docs](#)

libsigc++ implements a typesafe callback system for standard C++. It allows you to define signals and to connect those signals to any callback function, either global or a member function, regardless of whether it is static or virtual.

Unity (“jumbo”) builds

AKA: amalgamated, or Single Compilation Unit (SCU) builds.

- ▶ [A Guide to Unity Builds by Viktor Kirilov](#)
- ▶ [Support for Unity \(Jumbo\) Files in Visual Studio 2017 15.8 \(Experimental\)](#)
- ▶ [Chromium instructions](#) and [GoogleDoc](#)
- ▶ [Reddit](#)
- ▶ Other tools:
 - ▶ [CMake cotire](#) and [Unity Build macro](#)
 - ▶ [FASTBuild](#)
 - ▶ [Meson](#)
 - ▶ [waf](#)
 - ▶ [RudeBuild plugin for Visual Studio](#)

Coding Guideline: Avoid const member variables

Reddit

`const auto*` **versus** `const auto` for Pointer Types

Article

Variadic CRTP

- ▶ Steve Dewhurst
- ▶ Jonathan Boccara
 - ▶ Reddit thread