

C++ User Group

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & Introduction

Wednesday, 30 October 2024 14:00 (5 minutes)

Setting expectations

Presenter: Dr KRETZ, Matthias (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Contribution ID: 2

Type: **not specified**

fixed_string: why we need another string type and how to produce a never-dangling string_view

Wednesday, 30 October 2024 14:05 (55 minutes)

std::fixed_string is currently in review for C++26.

std::string, std::string_view, and string literals are currently not valid non-type template parameters (NTTP). std::fixed_string wants to fill that hole. But is that its sole purpose? And what about the string_view returned from fixed_string, it's just a pointer to a char array. Under what circumstances does the string_view dangle?

Presenter: Dr KRETZ, Matthias (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))