

## ROOT Users' Workshop



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# Making C++ Easier, Faster, and Safer

*Tuesday, 11 September 2018 09:00 (1 hour)*

C++ remains one of the best languages for writing performance sensitive software. However, it has proven to pose significant challenges for developers, especially when a single codebase is evolved over a long period of time. We have taken an extremely large, complex C++ codebase at Google from being a huge risk and liability, into something that is sustainable, with both productive and effective developers.

This required a very wide range of efforts to accomplish. While we have discussed on several occasions specific efforts here, this talk will tie everything together to explain how the sustainable C++ experience at Google works. It will cover all of the highlights and give a lot of references for the audience to dig into afterward.

Ultimately, our goal is to make C++ easier, faster, and safer, both for our developers and the wider industry. This talk will give the ROOT community a view into our approach at Google.

**Presenter:** CARRUTH, Chandler (Google)

**Session Classification:** Invited Talks