

## ROOT Users Workshop



Contribution ID: 51

Type: **Presentation**

# Julia, C++, and ROOT

*Monday, 9 May 2022 08:35 (20 minutes)*

Julia is a programming language, with a growing interest in the HEP community, that allies easy of programming, similar to Python, with computing performance, similar to C and C++. Reuse of legacy libraries is essential for the adaption of a language in High energy physics. I will present in this talk how Julia can be interfaced with legacy C++ libraries and in particular with the ROOT framework. In particular, we will see how the generation of the glue code providing the Julia programming interface to a C++ library can be automatized.

## Summary

**Primary author:** GRAS, Philippe (Université Paris-Saclay - CEA/Irfu - France)

**Presenter:** GRAS, Philippe (Université Paris-Saclay - CEA/Irfu - France)

**Session Classification:** First Session