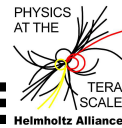


Welcome to the Terascale C++ School

HELMHOLTZ

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PHYSICS AT THE TERASCALE



Deutsches Elektronen-Synchrotron DESY + + + Karlsruher Institut für Technologie + + + Max-Planck-Institut für Physik München + + +
Rheinisch-Westfälische Technische Hochschule Aachen + + + Humboldt-Universität zu Berlin + + + Rheinische Friedrich-Wilhelms-Universität Bonn + + +
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Würzburg + + + Bergische Universität Wuppertal + + +

Terascale C++ School

23-27 October 2023

DESY Hamburg

The main goal of the school is to help participants learn the techniques of object-oriented programming in C++. The school addresses all physicists from the student to the senior level who feel that they would profit from lectures and hands-on exercises on this topic. Participants are expected to have a basic knowledge of C or C++.

School topics:

- From C to C++, function overloading, default parameters, operators
- Class basics, namespaces, constructors, destructors
- C++ style input/output operations
- Dynamic memory management, pointers
- Standard Template Library (STL basics) and external libraries (Boost)
- STL data structures, generic algorithms and iterators
- Advanced classes: function classes, inheritance, abstract base classes
- Handling multiple source files, using make, GIT

More details and registration at the workshop webpage:
terascale.de/cplusplus2023

Workshop fee: 80 Euro
Registration deadline: 8 October 2023



A bit of organization

Subheading, optional

- You are invited to a get-together tonight, in front of this seminar room
- Today's lecture and exercises are in SR 3, all other days will be in SR Flash
The Flash hall is in the upper floor on top of the experimental hall

