

Welcome to the Terascale C++ School

Introduction to C++(11)

7 - 11 November 2016
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 prerequisites and compulsory introductory reading material will be distributed in early October.

School topics:

- going from C to C++, function overloading, default parameters, operators
- class basics, namespaces, constructors, destructors
- C++ style input/output operations
- dynamic memory management, pointers
- using 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

A bit of organization

Attention: the school will take place in two different locations:

- > Mo, Tu, Fr: SR 4a/b
- > We,Th: BAH 1

Get-together:

- > Tomorrow after the exercises in the Foyer of SR 4a/b

We set up a special WLAN for the school, please use this one:

- > Name: terascale
- > WPA/WPA2-PSK: wee3yaejaeNo



Where to go

