ID de Contribution: **5**   Type: **Non spécifié**

Object-Oriented C++

lundi 31 mars 2025 14:00 (3h 30m)

Get familiar with the object-oriented programming with C++. The lectures and hands-on aim to prepare students to use and/or contribute to large C++-based projects, such as Geant4.
- Introduction to object-oriented methodology
- Class definition and implementation
- Class data members and member functions/methods
- Static data members, member functions/methods
- Base class and derived class
- Virtual, pure virtual functions
- C++11/17 features: auto, range for loop, ⋯

Prerequisites: basic knowledge of the C++ syntax and standard library (if, loops, functions, pointers, references, iostream, string, vector).

Detailed program and course material:
https://geant4-ed-project.pages.in2p3.fr/oo-cpp-web/

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