Advanced Programming, June 2 - 6, Hamburg

The 2025 School on "Advanced Programming Concepts" is the seventh in a series started in Dresden in 2011 and later continued in Dresden, Munich and Hamburg. The school is organized in the context of the Terascale alliance.

The school addresses physicists with more-than-basic programming experience who want to become more efficient and proficient in programming and who want to get a more thorough understanding of concepts and techniques. Topics include:

- Principles of object-oriented design (C++, Python, Julia)
- Julia programming language (full day)
- Design patterns
- Unified modelling language
- Refactoring
- Unit testing
- Package management
- Data flow modelling
- Performance, design and parallelization
 Lectures are accompanied with hands-on exercises on selected topics.

Lecturers:

- Maria Grazia Pia
- Oliver Schulz
- Stefan Kluth



https://indico.desy.de/event/48282/

