

8th Workshop on Collaborative Scientific Software Development and Management of Open Source Scientific Packages



20 April - 1 May 2020
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9083/>
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Writing software has become central to research in many fields of science. This school aims to give early-career scientists an introduction to a variety of topics that help them to write efficient, clean, maintainable and long-lived code that is useful beyond solving an immediate problem. In a mixture of talks and many hands-on sessions, the focus lies on showing best practices and building fundamental skills in creating, extending and collaborating on modular and reusable software.

Topics:

- Python / shell scripts as glue code
- Introduction to computer architectures and software optimization
- Modular, reusable software design
- Effective collaborative development with multiple co-authors
- Version control and release cycles
- Automated testing frameworks
- Structured documentation
- Management of open source scientific packages
- Continuous integration & deployment
- Conversational development

How to apply:

Online application:
<http://indico.ictp.it/event/9083/>

Participants are expected to have some experience in a programming language, this course is not suitable for beginners in programming.

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Directors:

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Deadline:

15 February 2020



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