

Training course with hands-on sessions

Topic: **Software Development in Science**
(Training Course No. 1422018)

Speakers: Guido Trench, Wouter Klijn, JSC

Contents: Scientific research increasingly relies on software. Software engineering and development play a key role in the production of software. Thus, formal education and training in software development methodologies become more important, particularly in larger software projects. Software development in teams needs formalized processes to get a reliable outcome. The aim of this course is to give an introduction to established software development methodologies and best practices. The lessons learned in this workshop can be applied to large projects but will also help individual researchers to improve the quality of their software.

Topics covered are:

- Overview of software development methodologies
- Scrum and agile practices
- Version control: hands-on training, working with Git and GitHub
- Open source and community building
- Licenses and copyright
- Software testing and quality
- Documentation

The course will be given in English. Experience in programming is highly recommended.

Time: 19-20 November 2018, 9:00-16:30

Venue: Jülich Supercomputing Centre, Ausbildungsraum 1 (building 16.3, room 213a)

Registration: Registration is necessary until 31 October 2018!
Please send your application to:
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Anyone interested is cordially invited to participate in this event.