

## **Compact Course: *Version Control with Git***

Date: 24.11.21 9-13 Uhr

Instructor: Dr. Dominic Kempf, Research Software Engineer, Scientific Software Center

Venue:

The course will be given as an in-person event if the Covid-19 situation permits. HeiConf will be used otherwise. A final decision with an announcement of the exact venue will be made two weeks prior to the course.

Prerequisites:

Basic understanding of using the Unix shell is expected. We strongly recommend attending *The Unix Shell* on the preceding day if you have no prior experience. The course is intended for all scientific audiences. Participants are required to bring their own laptops to work on during the course. Network access (e.g. through Eduroam) is required. If held online, participants are expected to have audio/video equipment to participate in a video conference (HeiConf).

Summary:

Version control is the lab notebook of the digital world: it is used to keep track of what was done and to collaborate with other people. Its use is the state of the art in software development projects of all scales. However, it is not limited to software: books, papers, small data sets, and anything that changes over time or needs to be shared can and should be stored in a version control system. The course will include hands-on live coding sessions where participants exercise the learned commands on their own computers.

Learning objectives:

After the course participants will

- Understand the benefits of using version control
- Understand basic git terminology
- Have a good working knowledge of common tasks in Git
- See how Git repositories can help them to move towards practicing Open Science

Registration:

Please register using this webform: [https://ssc.iwr.uni-heidelberg.de/unix\\_shell\\_git\\_ws21](https://ssc.iwr.uni-heidelberg.de/unix_shell_git_ws21). If you have no prior experience, we recommend you to register for both this course and *The Unix Shell*

Materials:

This workshop will use materials by [Software Carpentry](#):

- <http://swcarpentry.github.io/git-novice/>