

# Training WG update

## 11 July 2019

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**The major role of the Software Sustainability Core (SSC) will run workshops and training events for the community covering a broad range of topics on computing skills necessary to be a proficient particle experimentalist.**

## Since Last Update (25 April 2019)

- ▶ Last Update - 25 April 2019 - [https://indico.cern.ch/event/785576/contributions/3266720/attachments/1776008/3004837/HSF\\_TEO\\_WG\\_update\\_25April2019.pdf](https://indico.cern.ch/event/785576/contributions/3266720/attachments/1776008/3004837/HSF_TEO_WG_update_25April2019.pdf)
- ▶ Since then
  - ▶ Weekly Training Meetings (HSF/IRIS-HEP/SSC) <https://indico.cern.ch/category/11294/>
  - ▶ Sign up the group below to receive meeting email
    - ▶ [hsf-training-wg@googlegroups.com](mailto:hsf-training-wg@googlegroups.com)
    - ▶ Time 8pm-9pm CERN - not suitable to many, will doodle another time
  - ▶ Record of Training events <https://indico.cern.ch/category/11386>

# Training events List

## October 2019

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 16 Oct - 18 Oct [Software Carpentry at CERN](#) **NEW**

## August 2019

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 19 Aug - 20 Aug [FIRST-HEP/ATLAS Training \(LBNL\)](#)

## July 2019

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 22 Jul - 26 Jul [CoDaS School 2019 \(22-26 July\) at Princeton University](#)

 15 Jul - 19 Jul • [OSG User School 2019 \(15-19 July\) at University of Wisconsin Madison](#)

## June 2019

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 10 Jun - 11 Jun [First-HEP/ATLAS Training \(Argonne\)](#)

 10 Jun [Links to past three Training Events \(1 April 2018 - 4 June 2019\)](#)

## Software Carpentry at CERN

16-18 October 2019  
Europe/Zurich timezone



Overview

Timetable

Participant List

We are very excited to announce the Software Carpentry Workshop at CERN. Our experience from experiment-specific and advanced software trainings has shown that participants' knowledge of basic software skills can be quite variable, depending on their particular background. Some may have learned basic skills from university courses or self-training, but holes are very common. This impacts their ability to profit from the advanced trainings being offered. In offering the workshop the goal is to establish and provide a uniform set of basic skills for all HEP graduate students and postdocs, and broadening participation from institutions lacking such courses.

The topics will cover Python (1 day), C++ (1 day), shell (1/2 day) and git/github (1/2 day)

**NOTE:** The registration is strictly limited to 60 persons on a first come first serve basis.

**NOTE:** Coffee/cookies will be served. Lunch is on your own.

**Tutors:**

**Organisers:**

**Local Organiser:**



**Starts** 16 Oct 2019, 09:00  
**Ends** 18 Oct 2019, 17:00  
Europe/Zurich



There are no materials yet.



- ▶ No clashes that we can see atlas with CMS/ATLAS, the week before CMS S&C Week and the ATLAS Induction Week (aligns well)
- ▶ 3 days - Prelim plan (needs to be reviewed)- cover Python (1 day), C++ (1 day), shell (1/2 day) and git/github (1/2 day)
- ▶ Maybe limit numbers to ~60 for a first event?
- ▶ Rooms are booked, after agenda is finalized advertise it to all CERN user list(??)
- ▶ Need to create poster, advertise, populate indico
- ▶ C++ 1 day few ideas - Teach C++ in context of ROOT
  - ▶ teaching ROOT not successful when taught “by example” - copy/paste doesn’t even work
  - ▶ Focus on using ROOT/BOOST as a “vehicle” to teach that c++ is built up
  - ▶ Think of something like
    - ▶ “What is a histogram?”
    - ▶ “What is a four vector?”
    - ▶ Compare/contrast the use of each in two libraries
- ▶ More ideas welcome

## Related Links/Info

- ▶ IRIS-HEP website <http://iris-hep.org/>
  - ▶ Jobs on IRIS-HEP and Collaborating Projects <http://iris-hep.org/jobs>
  - ▶ General public announcement mailing list for IRIS-HEP events, talks, meetings, workshops, opportunities for training and job opportunities (subscribe to) [announcements@iris-hep.org](mailto:announcements@iris-hep.org)
  
- ▶ HSF (HEP Software foundation) - <https://hepsoftwarefoundation.org>
  - ▶ General Information about HSF (subscribe to): [hsf-forum@googlegroups.com](mailto:hsf-forum@googlegroups.com)
  - ▶ Discussions and activities in the HEP Software Foundation mailing lists can be found here (General and Dedicated Forums): <https://hepsoftwarefoundation.org/forums.html>
  - ▶ You can contribute <https://hepsoftwarefoundation.org/cwp/cwp-working-groups.html>
  - ▶ HSF Events/Workshops - <https://hepsoftwarefoundation.org/events.html>
  
- ▶ FIRST-HEP website <http://first-hep.org>
  - ▶ Funding for participants and lecturer support for Training