

HSE/IRIS-HEP Software Basics Training

May 18–19, 2023

Instructors (in the recordings):

- **Unix Shell: Erin Becker (The Carpentries)**
- **Python: Zongru (Doris) Shao (Silicon Austria Labs)**
- **Git: Erin Becker (The Carpentries)**
- **Python: Dinah Onyino (SAP)**

Mentors:

- Guillermo Fidalgo
- Kilian Lieret
- Aman Desai
- Alexander Moreno
- Richa Sharma
- Gabriel Soto
- Yarelis

Local organising committee:

- Sudhir Malik
- Wouter Deconinck
- Kilian Lieret
- Alexander Moreno
- Jason Veatch
- Michel Villanueva
- Richa Sharma



THE
CARPENTRIES



iris
hep



HEP Software Foundation

**If you aren't recording this on Zoom,
enable captioning and start
the recording ...**

(just a reminder)

Everyone is Welcome

- You are physicists working in international collaborations. All of you should know this page:
 - [The CERN code of conduct](#)
- Built on a set of core CERN values →
- Taken together, provide the basis for respect: respect for others, respect for the organization and respect for its mission.
- We encourage a culture of openness where all contributors feel free to engage in the discussion.
- This event is also governed by [The Carpentries Code of Conduct](#)

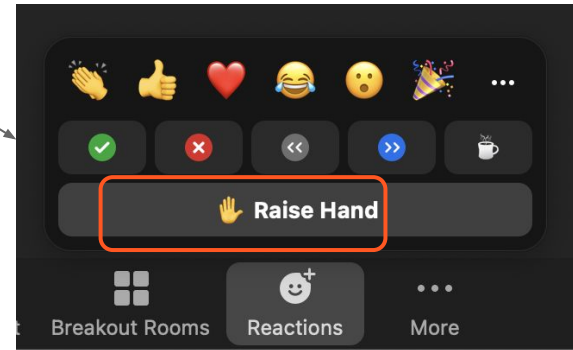


We are here to help!

- Please use the **Slack channel** for questions during the session (it's easier to keep track for us than the zoom chat) Use the 'reply to thread' feature to keep everything sorted



- Dedicated time for questions:
Use the 'raise hand' feature to speak



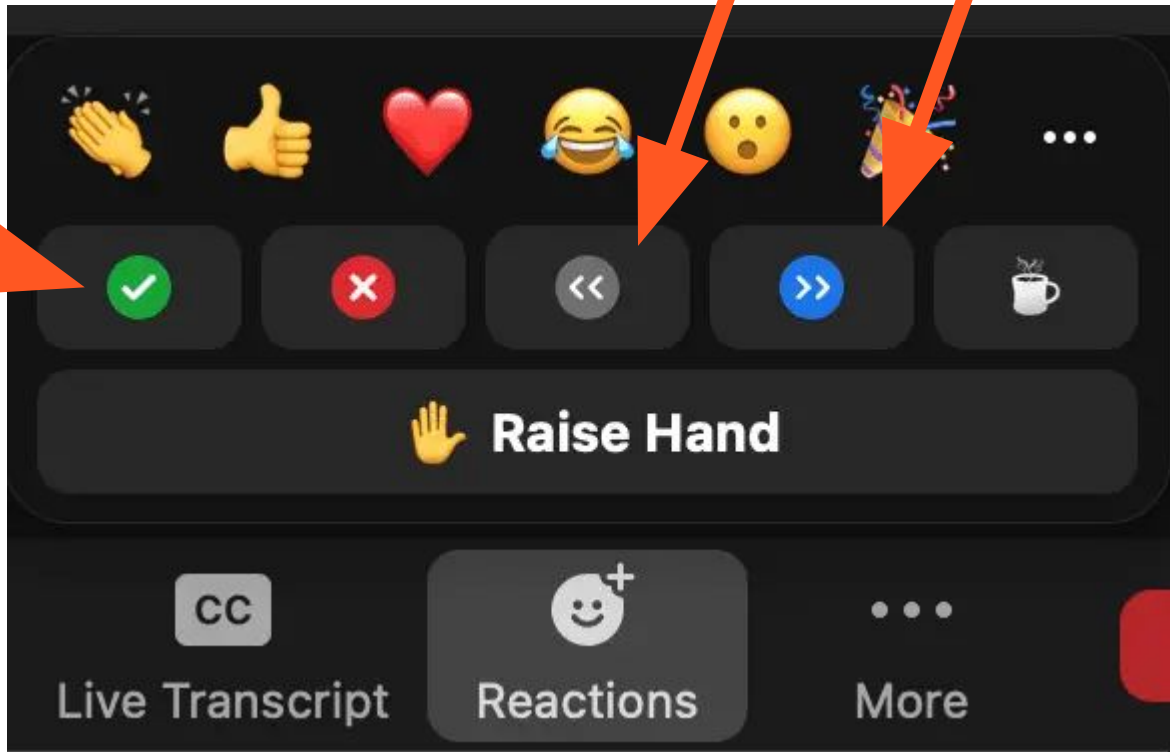
There is no such thing as a “stupid question”!

Feedback

slower

faster

yes/no



If you haven't done yet...

[1] Join the Slack channel: [invite](#)

If you have troubles to join, let us know now.

[2] Follow the setup pages

- Unix Shell ([setup](#))
- Git ([setup](#))
- Python ([setup](#))



Thursday

Welcome

Help with Setup
[9:00 ET]

Introduction & group
picture
[10:00 - 10:20 ET]

Unix
[10:20 - 11:30 ET]

Unix
[12:00-13:00 ET]

Python
[14:00-15:00 ET]

Python
[15:30-17:00 ET]

Friday

Git
[10:00 - 11:30 ET]

Git
[12:00 - 13:00 ET]

Python
[14:00 - 15:30 ET]

Python
[16:00-17:30 ET]

**Meet your
instructors!**



Erin Becker

*Associate Director
The Carpentries
ebecker@carpentries.org*

My (past) research:

- Osmoadaptation in Haloarchaea
- Adoption of evidence-based teaching practices by graduate teaching assistance

My expertise is:

Equitable human resources practices, curriculum design, evidence-based teaching.

A problem I'm grappling with:

Impacts of Covid-19 on volunteer engagement.

I've got my eyes on:

How LLMs like ChatGPT will impact education.

I want to know more about:

Language justice.



**THE
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Zongru (Doris) Shao

*Senior Scientist
Silicon Austria Labs (SAL)
drssth@gmail.com*

My research:
Multimodal Machine Learning Techniques

My expertise is:
Machine Learning, Natural Language Processing, Audio Analysis, and Computer Vision.

A problem I'm grappling with:
Machine Learning with Radar Signals

I've got my eyes on:
Transfer Learning on the Multimodal Perspectives

I want to know more about:
Graph Neural Networks, PINNs, etc.



Onyino (Dinah)

Developer Advocate

SAP

dianneprinsescah@gmail.com

Education:

Master of Science in Information Technology

Bachelor of Science in Information Technology

My expertise is:

Software Engineering and Machine Learning.

A problem I'm grappling with:

Technical content creation (Videos and Code Documentation tutorials)

I've got my eyes on:

Cloud Computing and DevOps certification

I want to know more about:

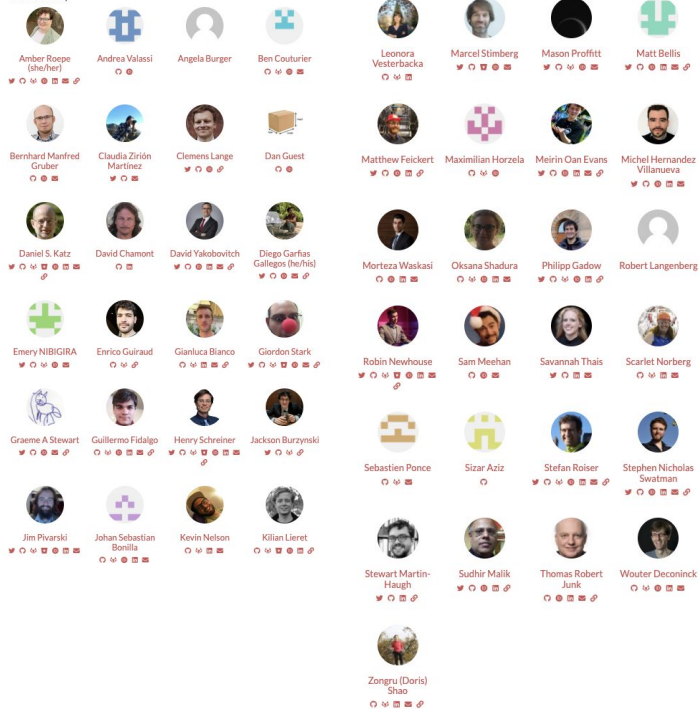
Implementing IOT concepts in my home

HSE Educator/Mentor community

<https://hepsoftwarefoundation.org/training/educators.html>

Here is the list. Section for a special thank you for everyone who made our workshop possible.

Our community



- **Join our hackathons**
 - **In 1 or more topics**
- **Join our community**
- **Become training Educator**
 - **a mentor, facilitator, instructor**
- **Open a PR for any of our modules**

Stay Tuned! Follow us on Twitter

<https://twitter.com/HSFTraining>

- **Training events**
- **New material**
- **Sharing job offers!**



HSF
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... 🔔 Following

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Software training group of [@hepsoftfound](#). Teach researchers to create sustainable software with sustainable, scalable training efforts!

📍 Interwebs 🔗 hepsoftwarefoundation.org/training

📅 Joined September 2022

Group picture!