

Session Program

Aug 27 - 31, 2018

**GridKa School 2018 - Computing and Science
Fair**

Tutorials

KIT, Campus North, FTU

Tue, August 28

1:00 PM

Tutorials

Session | **Location:** KIT, Campus North, FTU

1:00 – 6:00 PM Scalable and reproducible workflows with Pachyderm

Speaker

Jon Ander Novella

Location

FTU, 157

1:00 – 6:00 PM Julia: high performance programming the easy way

Speaker

Simon Danisch

Location

FTU, Aula

1:00 – 6:00 PM Introduction to Python

Speakers

Max Fischer, Ines Reinartz

Location

FTU, 156

1:00 – 6:00 PM Docker Container Hands-On

Speaker

Enrico Bocchi

Location

FTU, 164

1:00 – 6:00 PM Introduction to Go

Speaker

Sebastien Binet

Location

FTU, 163

6:00 PM

Wed, August 29

1:00 PM

Tutorials

Session | **Location:** KIT, Campus North, FTU

1:00 – 6:00 PM

Behind the scenes perspective: into the abyss of profiling for performance

Speakers

David Smith, Servesh Muralidharan

Location

FTU, 162

1:00 – 6:00 PM

Introduction to using HTCondor to run distributed compute Jobs and Workflows on Servers, Clusters, Grids, or Clouds

Speaker

Todd Tannenbaum

Location

FTU, 164

1:00 – 6:00 PM

Introduction to the SciPy stack and Jupyter Notebooks

Speakers

Manuel Giffels, Ugur Cayoglu

Location

FTU, Aula

1:00 – 6:00 PM

Under the hood: Bare Metal Embedded Programming in C

Speaker

Milosch Meriac

Location

FTU, 163

1:00 – 6:00 PM

Collaborative Software Development

Speakers

Dr René Caspart, Eileen Kühn

Location

FTU, 156

1:00 – 6:00 PM

Machine Learning with Neural Networks

Speakers

Markus Götz, Oskar Taubert

Location

FTU, 157

6:00 PM

Thu, August 30

1:00 PM

Tutorials

Session | **Location:** KIT, Campus North, FTU

1:00 – 6:00 PM **Hacking Hands-on**

Speaker

Raimund Specht

Location

FTU, 116

1:00 – 6:00 PM **Scalable Scientific Analysis in Python using Pandas and Dask**

Speakers

Sebastian Neubauer, Uwe Korn

Location

FTU, Aula

1:00 – 6:00 PM **Productive GPU Programming with OpenACC**

Speaker

Andreas Herten

Location

FTU, 163

1:00 – 6:00 PM **Databases for large-scale science**

Speaker

Mario Lassnig

Location

FTU, 157

1:00 – 6:00 PM **Parallel programming with OpenMP and MPI**

Speakers

Dr Marco Berghoff, Thorsten Zirwes

Location

FTU, 156

1:00 – 6:00 PM **Quantum Computing**

Speaker

Oliver Oberst

Location

FTU, 164

6:00 PM