Pyhton San Sebastian 2017 - Scientific Python tutorial track

Date & place: Materials Physics Center (CFM) Auditorium - San Sebastian, 6th October, 14:30-17:30 2017

Track: Introduction to Scientific Python

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Abstract

Introductory lesson for Scientific Computing with Python based on the SciPy stack having five parts:

- An overview of the Scientific Python (SciPy) ecosystem.
- An introduction to NumPy, based on Valentin Haenel's SciPy 2013 Tutorial.
- A very short practical introduction to Matplotlib.
- A guided hands-on demostration of some of the SciPy library subpackages.

The participants are encouraged to follow the hands-on parts in their laptops. For this is enough with just having the Anaconda Python scientific stack installed. Installation is straightforward and you can follow eg. this installation instructions. Please use the Python 3 version for your platform.

Targeted audience: scientific and technical people interested in computing, data analysis, task automation,...

Content level: beginner

Audience prerequisites: basic general programming knowledge. Python knowledge is desirable but not essential if you have experience with any other programming languaje.

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