**GridKa School 2015**
**Big Data  Virtualization  Modern Programming**

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# Scientific Python

*Thursday, September 10, 2015 1:00 PM (5 hours)*

Python is a high-level dynamic object-oriented programming language. It is easy to learn, intuitive, well documented, very readable and extremely powerful. Python is packaged with an impressive standard library following the so called "batteries included" philosophy. Together with the large number of additional available scientific packages like NumPy, SciPy, pandas, matplotlib, scikit-learn, etc., Python becomes a very well suited programming language for data analysis. This hands-on session aims towards advanced Python beginners, who have already gained some knowledge about Python (Scripting experience and knowing the term list comprehension should be sufficient). This course gives an introduction and demonstrates the power of Python in data analysis using NumPy and pandas.

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**Session Classification:**   Python

**Track Classification:**   Data Analysis