

PYPHY : August 29, 2011

Departement de Physique de L'ENS
Room : Conf IV

Program

9.00-9.25 Chris Myers (Dept. of Physics, Cornell University) :

"Python as a tool for teaching computational science and complex systems"

9.25-9.50 Vivien Lecomte (LPMA, Universités Paris VI et VII) :

"Teaching computational physics without scrambling physics?"

9.50-10.15 Emmanuelle Gouillart (Saint-Gobain Research) :

"Visualizing and segmenting large synchrotron-tomography datasets with the scientific-Python stack"

10.15-10.35 Gianfranco Durin (INRIM and ISI, Turin) :

"Fitting the elephant : using least-square fits from simple cases to multiparameter scaling functions."

10.35-11.00 Coffee Break

11.00-11.25 Olivier Parcollet (CEA-Saclay) :

"TRIQS : a Toolbox for Research in Interacting Quantum Systems"

11.25-11.50 Anders Logg (Simula Research Laboratory, Norway) :

"The FEniCS Project"

11.50-12.15 Yves Hilpisch (Visixion GmbH and Saarland University) :

"Automating Numerical Research with Python"

12.15-14.00 Lunch (Buffet)

14.00-14.25 Konrad Hinsén (Centre de Biologie Moléculaire, CNRS, Orléans) :

"Molecular Biophysics in Python : simulation and analysis of experimental data"

14.25-14.50 Emmanuel Quemener (Ecole Normale Supérieure de Lyon) :

"Multi(Nodes/Cores/Shader) On Python for Dummies : a pragmatic point of view"

14.50-15.15 Georg von Hippel (Institute of Nuclear Physics, University of Mainz) :

"Automated Derivative of Lattice Feynman Rules in Python"

15.15-15.35 Pascal Bordé (Institut d'astrophysique spatiale, Université Paris-Sud) :
” *Signal processing in Python for the detection and characterization of extrasolar planets* ”

15.35-16.00 Olivier Taché (CEA-Saclay) :
” *PySaxs, a Python module and GUI for SAXS data treatment* ”

16.00-16.30 Coffee Break

16.35-17.00 Michael Schindler (UMR 7083 ”Gulliver”, CNRS/ESPCI, Paris) :
” *The joy of aesthetics : Creating high-quality figures with PyX*”

17.00-17.25 Francisco de la Peña (University of Cambridge) :
” *EELSLab : a Python toolbox for (hyper)spectroscopy data analysis* ”

17.25-17.50 Eric Sultan (Université Pierre et Marie Curie) :
” *PyCDF a tool for handling data in files*”

18.00-20.00 L'apéro dans le jardin – Drinks in the garden