

Scientific Computing

- Publications
- Center for Biomedical Computing
- Projects
- Available Master's topics
- Intranet
- People

CBC Talk on The IPython Ecosystem for Reliable and Effective Scientific Computing - January 31, 2013

Dr. Fernando Perez from University of California, Berkeley will give a talk on the IPython ecosystem for reliable and effective scientific computing at CBC, Thursday 31st of January.

The IPython ecosystem for reliable and effective scientific computing

Total number of participants: 29
 Total number of guests outside of CBC: 7
 Number of different nationalities represented: 6
 Total number of speakers: 1
 Total number of talks: 1

14:00-15:00: Dr. Fernando Perez, Berkeley

Abstract:

IPython is a very well known and popular tool among Python users, especially those doing scientific computing as IPython provides an interactive MATLAB-like environment. However, IPython has in recent years grown to be much more than a MATLAB-like environment. It is a rich toolkit that increases the reliability and effectiveness of scientific investigations. This talk will provide an overview of IPython anno 2013 and go more into details on parallel computing and web-based notebooks.



15:15->: Advances session with discussions and more technical info on IPython.

About the speaker:

Dr. Fernando Perez is a research scientist at the Helen Wills Neuroscience Institute at U.C. Berkeley. His work involves the development and implementation of new algorithms and tools for neuroimaging, with a special interest in functional MRI. He is also actively involved with the development of new tools for high-level scientific computing, mostly using the Python language.

He is convinced that we need better tools for scientific computing and that the efforts of many to build them based on the Python language are starting to pay off in a way that will have significant benefits in the long run. Dr. Perez works with IPython, the development of neuroimaging tools such as `nipy` (and especially its `nitime` component), and contributes to various projects affiliated with the `scipy` stack. The `Py4Science` page contains details and material on this topic.

What	
When	Jan 31, 2013 from 02:00 PM to 04:00 PM
Where	Bakrommet @ Simula
Contact Name	Hans Petter Langtangen
Attendees	Anders Johansen Anders Logg Andre Massing Bernardo L. de Oliveira Dag Sverre Seljebotn Einar A. Rødland Fernando Perez Glenn Lines Hans Petter Langtangen Jan Helmig Jeff Jewell Joakim Sundnes Johan Hake Johannes Ring Jonathan Feinberg Karin Lagesen Lex Nederbragt Marie Rognes Martin Alnæs Marcin Wojewodzic Mikael Mortensen Miro Kuchta Namit Gaur Omar Al-Khayat Samuel Wall Serena Rasconi Siri Kallhovd

Add event to calendar	Sjur U. Gjerald
	Xing Cai
	 vCal
	 iCal