

Contact:

Tel:

Email:

***“Scientific Computing with Python in Action”***  
***International Conference on Scientific Computing with Python***  
***SciPy.in – 2010***

“FOSSEE” initiated an Indian edition of the popular SciPy conference in order to encourage the use of Python for Scientific Computing in India. They are conducting this conference for second time in India and will be held from December 13 – 18, 2010.

**Scipy.in** is a conference providing opportunities to spread the use of the Python programming language in the Scientific Computing community in India. The conference will discuss the benefits of using Python as a computing programme by analyzing its many features and how this can be applied within the scientific computing industry and for educational purposes.

Python has extensive libraries, these libraries let you do things ranging from basic string operations, numerical and mathematical operation, file and data management, compression of data, data bases, cryptography, operating system services, Inter process communication, parallel computing, internet data handling, networking, XML processing, GUI...the list is practically endless. It also has a host of engineering and science specific libraries.

One of the goals of the conference is to combine education, engineering and science with computing through the medium of Python and thereby extrapolate on how powerful Scientific Computing is in various fields and among different communities.

At this conference, novel applications and breakthroughs made in the pursuit of science using Python are presented. Attended by leading figures from both academia and industry, it is an excellent opportunity to experience the cutting edge of scientific software development.

Attendees of the conference and participants of the sprints planned will be able to access and review the tools available.

This conference also provides a unique opportunity to interact with the "Who's who" of the Python for Scientific Computing fraternity and learn, understand, participate and contribute what is happening in the realms of Scientific Computing using Python. The Speakers include:

\* **Fernando Perez** -- PhD from University of Colorado. Currently at the Helen Wills Neuroscience Institute at the University of California, Berkeley. Original author and leader of the IPython project for interactive computing, and member of the Python Software Foundation.

\* **John Hunter** -- Ph.D. from University of Chicago. Currently at Tradelink, Inc. Chicago. Original author and lead developer of the scientific visualization package matplotlib.

\* **Perry Greenfield** -- PhD, MIT. Currently at Space Telescope Science Institute, Maryland, USA. He has pioneered the use of Python in astronomy.

\* **Prabhu Ramachandran** – PhD from IIT Madras. He is the co-founder of the Indian Linux User Group - Chennai (ILUGC) and is the creator and lead developer of the Mayavi and TVTK Python packages.

\* **Stéfan van der Walt** -- PhD, Stellenbosch University, SA. One of the developers of the NumPy and SciPy packages.

\* **Jarrod Millman** -- Member of the SciPy steering committee and an active contributor to both the

NumPy and SciPy projects.

\* **Satrajit Ghosh** – PhD from Boston University. Currently a faculty member of the Speech and Hearing Biosciences and Technology program, Harvard-MIT.

\* **Asokan Pichai** -- Consultant/Project manager for the Python group of the FOSSEE project.

## SciPy.in 2010 Schedule

SciPy.in is a 6-day programme from December 13th upto December 18th, of 2010 comprising of two days of conference, three days of tutorials followed by corresponding sprints and a day dedicated completely to sprints.

### Over all break up of activities

Date	Activity
Monday, Dec.13 2010	Conference
Tuesday, Dec.14 2010	Conference
Wednesday, Dec.15 2010	Tutorials/Sprint
Thursday, Dec.16 2010	Tutorials/Sprint
Friday, Dec.17 2010	Tutorials/Sprint
Saturday, Dec.18 2010	Full Sprint

### Venue:

Conference Venue: ISB (Indian School of Business) – 13 & 14 December, 2010

Tutorial Venue: Mahindra Satyam Learning World (MSLW) – 15, 16 & 17 December. 2010

Sprints Venue: IIIT – Hyderabad – 18 December, 2010

Note:

- Registration: Spot registrations are available at the respective venues.

Registration fee: Rs. 500/-

- You can participate on any of the days of the six day programme.

### Organizers:

**FOSSEE:** Ministry of Human Resource Development (MHRD) has launched an ambitious educational mission to improve the levels of education in India.

**EnhanceEdu:** Ministry of Communication and Information Technology (MCIT) with IIIT-H, initiated EnhanceEdu, which works towards empowering individuals and communities by enhancing the quality of education in engineering colleges.