

Workshop collocated with the 24rd International Conference for High Performance Computing, Networking, Storage and Analysis (SC11)

<http://www.dlr.de/sc/pyhpc2011>

November 18, 2011, Seattle, WA, USA



Call for Papers

Python is a high-level programming language with a growing community in academia and industry. Beside its original use as a scripting language for web applications, today Python is a general-purpose language adopted by many scientific applications like computational fluid dynamics, bio molecular simulation, AI, scientific visualization etc. More and more industrial domains are turning towards it as well, such as robotics, semiconductor manufacturing, automotive solutions, telecommunication, computer graphics, and games. In all fields, the use of Python for scientific, high performance parallel, and distributed computing, as well as general scripted automation is increasing. Moreover, Python is well-suited for education in scientific computing.

The workshop aims at bringing together researchers and practitioners from industry and academia using Python for all aspects of high performance and scientific computing. The goal is to present Python-based scientific applications and libraries, to discuss general topics regarding the use of Python (such as language design and performance issues), and to share experience using Python in scientific computing education.

Topics

- Python-based scientific applications and libraries
- High performance computing
- Parallel Python-based programming languages
- Scientific visualization
- Scientific computing education
- Python performance and language issues
- Problem solving environments with Python
- Performance analysis tools for Python applications

Important Dates

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|-----------------------------|--------------------|
| Full paper submission: | September 19, 2011 |
| Notification of acceptance: | October 7, 2011 |
| Camera-ready papers: | October 31, 2011 |

Papers

We invite you to submit a paper of up to 10 pages via the submission site (<https://www.easychair.org/conferences/?conf=pyhpc2011>). Authors are encouraged to use IEEE two column format (<http://www.computer.org/portal/web/cscps/formatting>).

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Workshop Organizers

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