



Gauss Centre for Supercomputing

Workshop Program 2014, January-June

Planned courses and conferences 2014	Location	Course Language) slides in English	Days	Date
Efficient Parallel Programming with GASPI	Stuttgart	German *)	1	Jan. 30, 2014
Second JUQUEEN Porting and Scaling Workshop (PATC Course)	Jülich	English	3	Feb 03-05, 2014
Programming with Fortran	Garching	English	5	Feb 03-07
NIC-Symposium 2014	Jülich	English	2	Feb 12-13
Industrial Services of HLRS	Stuttgart	German *)	½	Feb 19, 2014
Parallel Programming (MPI, OpenMP, PETSc) & Tools	Dresden	German *)	4	Feb 24-27, 2014
Introduction to Parallel Programming with MPI and OpenMP	Mainz	English	3	Mar 04-06, 2014
Parallel Programming of High Performance Systems	Erlangen	English	5	Mar 10-14, 2014
Fortran for Scientific Computing (PATC Course)	Stuttgart	English	5	Mar 10-14
Introduction in Python	Jülich	German	3	Mar 17-19
Cray XE6/XC30 Optimization Workshop (PATC Course)	Stuttgart	English	4	Mar 17-20, 2014
Iterative Linear Solvers and Parallelization	Stuttgart	German	5	Mar 24-28
Eclipse: C/C++/Fortran Programming	Garching	English	1	Mar 25, 2014
Advanced Topics in HPC (includes parallel I/O and PGAS) (PATC Course)	Garching	English	4	Mar 31-Apr 03, 2014
Introduction to Computational Fluid Dynamics	Stuttgart	German	5	Mar 31-Apr 4
GPU Programming using CUDA	Stuttgart	English	3	Apr 07-09
GPU Programming (PATC Course)	Jülich	English	3	Apr 07-09
OpenACC Programming for Parallel Accelerated Supercomputers (PATC Course)	Stuttgart	English	2	Apr 10-11, 2014
Introduction to Unified Parallel C (UPC) and Co-array Fortran (CAF) (PATC Course)	Stuttgart	English	2	Apr 14-15, 2014
Scientific Visualization	Stuttgart	English	2	Apr 16-17
Intel MIC&GPU Programming Workshop (PATC Course)	Garching	English	3	Apr 28-30, 2014
Advanced GPU Programming	Jülich	English	2	May 05-06
Introduction to the Programming and Usage of the Supercomputing Resources at Jülich	Jülich	English	2	May 19-20, 2014
Parallel I/O and Portable Data Formats (PATC Course)	Jülich	English	3	May 21-23, 2014
3rd Workshop on Parallel-in-Time Integration	Jülich	English	3	May 26-28
Programming in C++ for C programmers	Jülich	English	6	June 2-4 & 10-12, 2014
High-performance Computing with Python	Jülich	English	2	June 26-27, 2014



Gauss Centre for Supercomputing

Workshop Program 2014, July-December

Planned courses and conferences 2014	Location	Course Language (*) slides in English	Days	Date
Introduction to SuperMUC - the new Petaflop Supercomputer (PATC Course)	Garching	English	4	July 08-11, 2014
Node-Level Performance Engineering (PATC Course)	Stuttgart	English	2	July 14-15, 2014
User-Guided Optimization in High-Level Languages	Stuttgart	English	1	July 16, 2014
Industrial Services of HLRS	Stuttgart	English (if required)	½	July 16, 2014
Introduction to parallel programming with MPI and OpenMP for JSC guest students"	Jülich	English	4	Aug 05-08, 2014
Advanced Fortran Topics (PATC Course)	Garching	English	5	Sep 08-12
Iterative Linear Solvers and Parallelization	Garching	German	5	Sep 15-19
New XC30, Parallel I/O, and Optimization Courses Series of 3 Courses (PATC Course)	Stuttgart	English	4	Sep 23-26, 2014
High Performance Computing in Science and Engineering	Stuttgart	English	2	Sep 29-30, 2014
Parallel Programming Workshop (MPI, OpenMP, and Advanced Parallel Programming) (PATC Course)	Stuttgart	English	5	Oct 13-17, 2014
Scientific Visualization	Stuttgart	English	2	Oct 20-21
GPU Programming using CUDA	Stuttgart	English	3	Oct 22-24
Introduction to parallel computing	Jülich	German *)	1	Oct, 2014
Industrial Services of HLRS (PATC Course)	Stuttgart	English (if required)	½	Nov 05, 2014
Data analysis and data mining with Python	Jülich	English	3	Nov 10-12
Introduction to the Programming and Usage of the Supercomputing Resources at Jülich	Jülich	English	2	Nov 27-28, 2014
Parallel Programming Workshop, MPI and OpenMP	Jülich	German *)	3	Dec 01-03, 2014
Fortran for Scientific Computing	Stuttgart	German *)	5	Dec 08-12
Node-Level Performance Engineering (PATC Course)	Garching	English	2	Dec 2014

Legend: Conferences and Training-Courses

Status July 16, 2014

PATC courses: GCS is a PRACE Advanced Training Centre (PATC) and industrial PATC (iPATC).
Some of the courses are sponsored by the PATC program.

Further information and/or registration please visit our web page/s:

- <http://www.hlr.de/events/>
- <http://www.lrz.de/services/compute/courses/>
- <http://www.fz-juelich.de/ias/jsc/events>
- <http://www.gauss-centre.eu/training>
- <http://www.training.prace-ri.eu/>