



Gauss Centre for Supercomputing

Workshop Program 2015, July - December

Planned courses and conferences 2015	Location	Course Language *) slides in English	Days	Date
Industrial Services of HLRS	Stuttgart	English (if required)	1/2	July 01, 2015
Node-Level Performance Engineering (PATC)	Stuttgart	English	2	July 06-07
User-Guided Optimization in High-Level Languages	Stuttgart	English	1	July 08, 2015
Introduction to parallel programming with MPI and OpenMP for JSC guest students	Jülich	English	4	Aug 11-14, 2015
Iterative Linear Solvers and Parallelization	Garching	German	5	Sep 07-11
Advanced Fortran Topics (PATC Course)	Garching	English	5	Sep 14-18
Introduction to Computational Fluid Dynamics in High Performance Computing	Stuttgart	German *)	5	Sep 14-18, 2015
Workshop: Computational Solar and Astrophysical Modeling	Jülich	English	5	Sep 14-18, 2015
Parallel Programming Workshop (MPI, OpenMP, and Advanced Parallel Programming) (PATC)	Stuttgart	English	5	Sep 28-Oct 02, 2015
High Performance Computing in Science and Engineering	Stuttgart	English	2	Oct 5-6, 2015
C for Beginners Course	Garching	English	3	Oct 5-7, 2015
Workshop: Lattice Practices 2015	Jülich	English	3	Oct 14-16
Introduction to GPU programming using OpenACC	Jülich	English	2	Oct 19-20, 2015
C++ for Beginners Course	Garching	English	4	Oct 19-22
Cray XC40 Optimization, and Parallel I/O, Series of 2 Courses	Stuttgart	English	4	Oct 20-23, 2015
Introduction to parallel computing	Jülich	German *)	1	Oct 26, 2015
GPU Programming using CUDA	Stuttgart	English	3	Oct 26-28
Advanced C++ : Focus on Software Engineering	Garching	English	3	Nov 02-04
Scientific Visualization	Stuttgart	English	2	Nov 05-06
Data analysis and data mining with Python	Jülich	English	3	Nov 09-11
Industrial Services of HLRS	Stuttgart	English (if required)	1/2	Nov 11, 2015
Introduction to the Programming and Usage of the Supercomputing Resources at Jülich	Jülich	English	2	Nov 26-27, 2015
Advanced Parallel Programming with MPI and OpenMP	Jülich	German *)	2	Nov 30-Dec 1
Fortran for Scientific Computing	Stuttgart	German *)	5	Dec 07-11
Node-Level Performance Engineering (PATC Course)	Garching	English	2	Dec 10-11

Legend: Conferences and Training-Courses

Status November 2, 2015

PATC courses: GCS is a PRACE Advanced Training Centre (PATC).

Some of the courses are sponsored by the PATC program.

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

- <http://www.hlrs.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/>



Gauss Centre for Supercomputing

Workshop Program 2016, January - June

Planned courses and conferences 2016	Location	Course Language) slides in English	Days	Date
Introduction to hybrid programming in HPC (PATC course)	Garching	English	1	Jan 14, 2016
Parallel Programming & Parallel Tools	Dresden	German *)	4,5	Feb 08-12
Programming with Fortran	Garching	English	5	Feb 08-12
Iterative Linear Solvers and Parallelization	Stuttgart	German	5	Feb 22-26
Computational Fluids Dynamics	Siegen	German	5	Feb 29-Mar 4
CFD with OpenFOAM®	Stuttgart	German *)	5	Mar 07-11
Parallel Programming of High Performance Systems	Erlangen	English	5	Mar 07-11, 2016
Parallel I/O and Portable Data Formats (PATC)	Jülich	English	3	Mar 14-16
GPU Programming using CUDA	Stuttgart	English	3	Mar 14-16 (not yet fixed)
OpenMP GPU Directives for Parallel Accelerated Supercomputers (PATC course)	Stuttgart	English	2	Mar 17-18, 2016
Vectorisation and Portable Programming Using OpenCL	Jülich	English	2	Mar 17-18, 2016
Parallelization with MPI and OpenMP	Mainz	English	3	Mar 21-23
Modeling in Computer Science	Stuttgart	English	1	Mar 2016
VI-HPS Tuning Workshop (PATC course)	Garching	English	4	Apr 2016
Introduction to descriptive and parametric statistic with R	Jülich	English	1	Apr 2016
Advanced Topics in High Performance Computing (PATC course)	Garching	English	4	Apr 04-07, 2016
Fortran for Scientific Computing (PATC course)	Stuttgart	English	5	Apr 04-08
Introduction to Python	Jülich	German	3	Apr 11-13
Cray XC40 Workshop and Parallel I/O Courses (PATC course)	Stuttgart	English	4	Apr 12-15
Introduction to Parallel In-Situ Visualization with VisIt	Jülich	English	1	Apr 18, 2016
Scientific Visualization	Stuttgart	English	2	Apr 18-19
NEC SX-ACE - Vectorization and Optimization	Stuttgart	English	2	Apr 20-21
Introduction to GPU Programming Using CUDA (PATC course)	Jülich	English	3	Apr 25-27, 2016
15th HLRS/hww Workshop on Scalable Global Parallel File Systems	Stuttgart	English	4	Apr 25-27 (not yet fixed)
Intel MIC&GPU Programming Workshop (PATC)	Garching	English	3	Apr 2016
Introduction to the Programming and Usage of the Supercomputer Resources at Jülich	Jülich	English	2	May 23-24, 2016
Programming in C++	Jülich	English	4	May 30-Jun 2
Introduction to Unified Parallel C (UPC) and Co- Array Fortran (CAF) (PATC course)	Stuttgart	English	2	Jun 02-03, 2016
Efficient Parallel Programming with GASPI	Stuttgart	German *)	2	Jun 06-07
Introduction to hybrid programming in HPC	Stuttgart	English	1	Jun 13, 2016
High-performance Computing with Python (PATC course)	Jülich	English	2	Jun 13-14
Cluster Workshop	Stuttgart	English	2	Jun 15-16
High-performance scientific computing in C++	Jülich	English	2	Jun 27-28
Node-Level Performance Engineering (PATC)	Stuttgart	English	2	Jun 27-28