



Gauss Centre for Supercomputing

Workshop Program 2016, January – June

Courses and conferences 2016	Location	Course Language *) slides in English	Days	Date
HPC-LEAP Winter School	Jülich	English	15	Jan 11-29
Intro. to hybrid programming in HPC (PATC)	Garching	English	1	Jan 14, 2016
JUQUEEN Extreme Scaling Workshop 2016	Jülich	English	3	Feb 01-03
Parallel Programming (MPI, OpenMP) and Tools	Dresden	German *)	5	Feb 08-12
Programming with Fortran	Garching	English	3	Feb 10-12
NIC-Symposium 2016	Jülich	English	2	Feb 11-12
Advanced C++, Focus: Software Engineering	Erlangen	English	3	Feb 17-19
Iterative Linear Solvers and Parallelization	Stuttgart	German	5	Feb 22-26
SuperMUC 4th Extreme Scaling Workshop	Garching	English	4	Feb 29-Mar 3
Intro. to Computational Fluid Dynamics in HPC	Siegen	German	5	Feb 29-Mar 4
CFD with OpenFOAM®	Stuttgart	German *)	5	Mar 07-11
Parallel Programming of High Perform. Systems	Erlangen	English	5	Mar 07-11
Parallel I/O and Portable Data Formats (PATC)	Jülich	English	3	Mar 14-16
GPU Programming using CUDA	Stuttgart	English	3	Mar 14-16
OpenMP and OpenACC GPU Directives for Parallel Accelerated Supercomputers (PATC)	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
Advanced Topics in High Perform. Comp. (PATC)	Garching	English	4	Apr 04-07
Fortran for Scientific Computing (PATC course)	Stuttgart	English	5	Apr 04-08
Introduction to Python	Jülich	German *)	3	Apr 11-13
Cray XC40 Workshop on Optimization at Scale (PATC course)	Stuttgart	English	4	Apr 12-15, 2016
Introduction to descriptive and parametric statistic with R	Jülich	English	1	Apr 14, 2016
Intro. to Parallel In-Situ Visualization with VisIt	Jülich	English	1	Apr 18, 2016
Scientific Visualization	Stuttgart	English	2	Apr 18-19
21st VI-HPS Tuning Workshop (PATC course)	Garching	English	5	Apr 18-22
NEC SX-ACE - Vectorization and Optimization	Stuttgart	English	2	Apr 20-21
Advanced C++, Focus on Software Engineering	Stuttgart	German *)	3	Apr 20-22
GPU Programming with CUDA (PATC course)	Jülich	English	3	Apr 25-27
15th HLRS/hww Workshop on Scalable Global Parallel File Systems	Stuttgart	English	3	Apr 25-27
R Course for the Life Science Community	Garching	English	1	Apr 26
Node-level performance engineering	Jülich	English	2	Apr 28-29
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
Intro. to UPC and Co-Array Fortran (PATC)	Stuttgart	English	2	Jun 02-03
Efficient Parallel Programm. with GASPI (PATC)	Stuttgart	English	2	Jun 06-07
Introduction to hybrid programming in HPC	Stuttgart	English	1	Jun 13, 2016
High-performance Comp. with Python (PATC)	Jülich	English	2	Jun 13-14
Cluster Workshop	Stuttgart	German *)	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
Intel MIC Programming Workshop (PATC)	Garching	English	3	Jun 27-29
Introduction to Cluster Filesystems	Stuttgart	German	1	June 30

Workshop Program 2016, July - December

Courses and conferences 2016	Location	Course Language *) slides in English	Days	Date
Scientific Workshop: High Performance Computing for Water Related Hazards	Garching	English	3	June 29 - July 1, 2016
Introduction to OpenFOAM®	Garching	English	3	Jul 18 - 20
Introduction to parallel programming with MPI and OpenMP	Jülich	English	4	Aug 09-12, 2016
Iterative Linear Solvers and Parallelization	Garching	German	5	Sep 05-09
Introduction to Computational Fluid Dynamics	Stuttgart	German	5	Sep 12-16
Advanced Fortran Topics (PATC course)	Garching	English	5	Sep 12-16
CECAM tutorial: Atomistic Monte Carlo Simulations of Bio-molecular Systems (Workshop)	Jülich	English	5	Sep 19-23, 2016
CFD with OpenFOAM®	Stuttgart	German *)	5	Sep 26-30
JARA-HPC Symposium (Workshop)	Aachen	English	2	Oct 04-05
HPSC TerrSys Fall School (Workshop)	Bonn	English	5	Oct 10-14
C Language for Beginners	Garching	English	3	Oct 11-13
High Performance Computing in Science and Engineering	Stuttgart	English	2	Oct 13-14, 2016
Parallel Programming Workshop (MPI, OpenMP and advanced topics) (PATC course)	Stuttgart	English	5	Oct. 17-21, 2016
Intro. to GPU programming using OpenACC	Jülich	English	2	Oct 24-25
C++ Language for Beginners	Garching	English	3	Oct 25-27
Intro. to the Cray XC40 HPC System at HLRS	Stuttgart	English	1	Oct 25, 2016
Cray XC40-Workshop on Optimization at Scale	Stuttgart	English	3	Oct 26-28
Scientific Visualization	Stuttgart	English	2	Nov 03-04
Introduction to Python	Jülich	German	3	Nov. 21-23
Advanced C++, Focus on Software Engineering	Garching	English	3	Nov 22-24
Introduction to the Programming and Usage of the Supercomputer Resources at Jülich	Jülich	English	2	Nov 24-25, 2016
Elmer FEM Course	Garching	English	2	Nov 28-29
Advanced Parallel Programming with MPI and OpenMP	Jülich	German *)	3	Nov 28-30, 2016
Advanced C++, Focus on Software Engineering	Stuttgart	German *)	4	Nov 28-Dec 1
Node-Level Performance Engineering (PATC course)	Garching	English	2	Dec 1-2, 2016
Introduction to OpenGL	Jülich	German	½	Dec 8, 2016
Fortran for Scientific Computing	Stuttgart	German *)	5	Dec 12-16
Introduction to hybrid programming in HPC (PATC course)	Garching	English	1	Jan 12, 2017

Legend: Conferences and Training-Courses

Status October 04, 2016

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/>