

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

Legend: Conferences and Training-Courses

Status December 5, 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/>



Gauss Centre for Supercomputing

Workshop Program 2017, January – July

Courses and conferences 2017	Location	Course Language *) slides in English	Days	Date
Intro. to hybrid programming in HPC (PATC)	Garching	English	1	Jan 12, 2017
Intro. to parallel program. with MPI and OpenMP	Jülich	English	4	Jan 31-Feb 3
Intel MIC Programming Workshop (PATC)	Ostrava	English	3	Feb 7-8
Introduction to Computational Fluid Dynamics	Siegen	German	5	Feb 13-17
Parallel Programming (MPI, OpenMP) and Tools	Dresden	German *)	5	Feb 20-24
Programming with Fortran	Garching	English	3	Mar 1-3, 2017
Parallel Programming of High Performance Systems	Garching	English	5	Mar 6-10, 2017
OpenMP and OpenACC GPU Directives for Parallel Accelerated Supercomputers (PATC)	Stuttgart	English	2	Mar 7-8, 2017
Intro.: descriptive and parametric statistic with R	Jülich	English	1	Mar 9, 2017
Parallelization with MPI and OpenMP	Frankfurt/M.	English	3	Mar 13-15
Parallel I/O and Portable Data Formats (PATC)	Jülich	English	3	Mar 13-15
Advanced C++, Focus on Software Engineering	Stuttgart	German *)	4	Mar 14-17
Vectorisation and Portable Programming Using OpenCL	Jülich	English	2	Mar 16-17
Fortran for Scientific Computing (PATC course)	Stuttgart	English	5	Mar 20-24
Iterative Linear Solvers and Parallelization	Stuttgart	German	5	Mar 27-31
Introduction to Python	Jülich	German	3	Apr 3-5, 2017
Advanced Topics in High Performance Computing (PATC course)	Garching	English	4	Apr 3-6, 2017
CFD with OpenFOAM®	Stuttgart	German *)	5	Apr 3-7, 2017
Cray XC40 Workshop on Optimization at Scale	Stuttgart	English	4	Apr 4-7
GPU Programming with CUDA (PATC)	Jülich	English	3	Apr 24-26
Node-Level Performance Engineering (PATC)	Stuttgart	English	2	Apr 27-28
Introduction to the Programming and Usage of the Supercomputer Resources at Jülich	Jülich	English	2	May 22-23, 2017
Cluster Workshop	Stuttgart	German	2	May 29-30
Programming in C++	Jülich	English	4	May 29-Jun 1
Scientific Visualization	Stuttgart	English	2	May 31-Jun 1
Introduction to hybrid programming in HPC	Stuttgart	English	1	Jun 12, 2017
High-performance Computing with Python (PATC course)	Jülich	English	2	Jun 12-13, 2017
High-performance scientific computing in C++	Jülich	English	2	Jun 20-21
Introduction to OpenGL	Jülich	German	½	Jun 27, 2017
Usage of VTK for scientific-technical visualization	Jülich	German	½	Jun 27, 2017
Intro.: ParaView for visualization of scientific data	Jülich	German *)	1	Jun 28, 2017
Intro. to Parallel In-Situ Visualization with VisIt	Jülich	English	1	Jun 29, 2017
Introduction to UPC and Co-Array Fortran (PATC)	Stuttgart	English	2	Jun 29-30
Intel MIC Programming Workshop (PATC)	Garching	English	3	Jun, 2017
Efficient Parallel Programm. with GASPI (PATC)	Stuttgart	English	2	Jul 3-4, 2017
Introduction to Cluster Filesystems	Stuttgart	German	1	Jul 6, 2017
NEC SX-ACE - Vectorization and Optimization	Stuttgart	English	2	Jul 11-12