



Gauss Centre for Supercomputing

Workshop Program 2015, January – June

Planned courses 2015	Location	Course Language *) slides in English	Days	Date
Third JUQUEEN Porting and Scaling Workshop (PATC Course)	Jülich	English	3	Feb 02-04, 2015
Programming with Fortran	Garching	English	5	Feb 09-13, 2015
Parallel Programming (MPI, OpenMP, PETSc) & Tools	Dresden	German *)	4	Feb 16-19, 2015
Introduction to Computational Fluid Dynamics	Siegen	German	5	Feb 23-27, 2015
VI-HPS Tuning Workshop (PATC Course)	Stuttgart	English	5	Feb 23-27, 2015
Industrial Services of HLRS (PATC Course)	Stuttgart	German *)	½	Feb 25, 2015
Cray XC40 Optimization, and Parallel I/O Courses, Series of 2 Courses (PATC Course)	Stuttgart	English	4	Mar 02-05, 2015
Fortran for Scientific Computing (PATC Course)	Stuttgart	English	5	Mar 09-13, 2015
Parallel Programming of High Performance Systems	Erlangen	English	5	Mar 09-13, 2015
Parallel I/O and Portable Data Formats (PATC Course)	Jülich	English	3	Mar 16-18, 2015
Iterative Linear Solvers and Parallelization	Stuttgart	German	5	Mar 16-20
Eclipse: C/C++/Fortran programming	Garching	English	1	Mar 19, 2015
Vectorisation and Portable Programming Using OpenCL	Jülich	English	2	Mar 19-20, 2015
Advanced Topics in High Performance Computing (PATC Course)	Garching	English	4	Apr 07-10, 2015
Tools for Parallel Programming with OmpSs	Stuttgart	English	3	Apr. 13-15, 2015
OpenACC Programming for Parallel Accelerated Supercomputers (PATC Course)	Stuttgart	English	2	Apr 16-17, 2015
GPU Programming using CUDA	Stuttgart	English	3	Apr 20-22
Introduction to GPU Programming using CUDA (PATC Course)	Jülich	English	3	Apr 20-22, 2015
Introduction to Unified Parallel C (UPC) and Co-array Fortran (CAF) (PATC Course)	Stuttgart	English	2	Apr 23-24, 2015
Efficient Parallel Programming with GASPI	Stuttgart	German *)	1	Apr 27, 2015
File System Workshop	Stuttgart	English	3	Apr 27-29, 2015
Intel MIC & GPU Programming Workshop (PATC Course)	Garching	English	3	Apr 27-29, 2015
Scientific Visualization	Stuttgart	English	2	Apr 28-29, 2015
NEC SX-ACE - Vectorization and Optimization	Stuttgart	English	2	May 05-06, 2015
High Performance Computing with Python	Jülich	English	2	May 28-29, 2015
Cluster Workshop	Stuttgart	English	2	June 29-30, 2015



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Workshop Program 2015, July - December

Planned courses 2015	Location	Course Language) slides in English	Days	Date
Industrial Services of HLRS	Stuttgart	English (if required)	½	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)	½	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 September 08, 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/>