

Press release: "PRACE HPC Training Video Material Available"

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PRACE HPC Training Video Material Available

PRACE, the Partnership for Advanced Computing in Europe, has produced a set of 16 HPC (High Performance Computing) training videos that can be downloaded free of charge.

Over 18 hours of streaming video is available at <http://www.prace-project.eu/hpc-training>

The material for the videos was shot at two PRACE code-porting workshops: a workshop on application porting and performance tuning at CSC, Finland (June 2009) and a Cray XT5 code-porting workshop at CSCS, Switzerland (July 2009).

The two-day application porting and performance tuning workshop, held at CSC, gave an overview of issues involved in porting and tuning codes on the PRACE prototypes. The lectures covered new programming models suited for future petaflop/s supercomputers, issues involved in selecting and using numerical libraries and best-practices learned from tuning and porting three scientific applications.

The three-day Cray XT5 code porting workshop, held at CSCS, consisted of a series of lectures and "hands-ons" sessions covering fundamental through advanced code optimization and porting techniques for the Cray XT5 architecture including TLB, cache and MPI optimization strategies as well as profiling using CrayPat and Apprentice2 tools. The presentations were delivered by John Levesque, Luiz De Rose and Roberto Ansaloni from Cray Inc.

The next PRACE training events will be held from October 13–15, at NSC in Linköping, Sweden, from October 14–16 in Cracow, Poland and from October 21–23 at BSC in Barcelona, Spain. PRACE produces more HPC training videos from these events.

The videos and training events are part of PRACE's training and education programme, which aims to prepare and initiate a sustainable and comprehensive European HPC education and training programme encompassing summer schools, winter schools, training workshops and training material.

More information: For more information about PRACE's training and education programme, please visit <http://www.prace-project.eu/hpc-training> or contact Tim Stitt (tstitt@cscs.ch)

About PRACE: The Partnership for Advanced Computing in Europe (PRACE) prepares the creation of a persistent pan-European HPC service, consisting of several tier-0 centres providing European researchers with access to capability computers and forming the top level of the European HPC ecosystem. PRACE is a project funded in part by the EU's 7th Framework Programme. The PRACE project receives funding from the European Community's Seventh.