



SURFsara -- A PRACE Training Center (PTC)

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SURFsara



SURFsara

- ✓ Offers an integrated ICT research infrastructure and provides services in the areas of computing, data storage, visualization, networking, cloud and e-Science.
- ✓ Hosts the Dutch National supercomputer since 1984
- ✓ The first Dutch national supercomputer – a CDC Cyber 205
- ✓ Is a partner of the PRACE project





Partnership for Advanced Computing in Europe (PRACE)

- ✓ Enable high impact scientific discovery
- ✓ Engineering research and development across all disciplines
- ✓ Enhance European competitiveness for the benefit of society
- ✓ Established as an international not-for-profit association with its seat in Brussels.
- ✓ Has 25 member countries whose representative organizations create a pan-European supercomputing infrastructure
- ✓ Currently at her Fifth Implementation Phase (PRACE-5IP)



PATCs and PTCs

PRACE Advanced Training Centers (PATCs)

- ✓ BSC - Barcelona Supercomputing Center (Spain)
- ✓ CSC - IT Center for Science (Finland)
- ✓ CINECA - Consorzio Interuniversitario (Italy)
- ✓ EPCC at the University of Edinburgh (UK)
- ✓ GCS - Gauss Supercomputing Center (Germany)
- ✓ MdS - Maison de la Simulation (France)

PRACE Training Centers (PTCs)

- ✓ IT4I - IT4Innovations National Supercomputing Center (Czech Republic)
- ✓ GRNET - Greek Research and Technology Network (Greece)
- ✓ ICHEC - Irish Centre for High-End Computing (Ireland)
- ✓ SURFsara (The Netherlands)



What does it mean for you?

- ✓ More training events in High Performance Computing
- ✓ Open to all researchers from academia and industry FREE of charge
- ✓ Each training will have the length of 1-3 days
- ✓ All trainings and materials provided will be in English
- ✓ Training events are organized in The Netherlands (Amsterdam/Utrecht)
- ✓ Benefit scientists from both The Netherlands and surrounding regions



Upcoming SURFsara PTC courses

- ✓ Parallel programming with MPI/OpenMP (5-7th of February 2018)
- ✓ Introduction to High-Performance Machine Learning (13th of February 2018)
- ✓ Advanced topics in HPC programming (April 2018)
- ✓ Efficient data formats and Streaming data processing in the Apache Big Data ecosystem (June 2018)