zaprasza na seminarium

"Industrial Usage of World-Class HPC Services"
28-29 marca 2011, Sztokholm, Szwecja

Seminarium jest organizowane przez projekt PRACE (Partnership for Advanced Computing in Europe, http://www.prace-ri.eu), a jego gospodarzem jest Swedish National Infrastructure for Computing (SNIC, http://www.snic.vr.se) oraz KTH Royal Institute of Technology (http://www.kth.se).

W trakcie seminarium odbędą się zarówno sesje plenarne o systemach Tier-0 i usługach udostępnianych przez PRACE, jak i równoległe sesje, podczas których prezentowane będą sukcesy i dyskutowane potrzeby biznesowych użytkowników usług HPC (High Performance Computing).

Profil potencjalnych uczestników seminarium to przedstawiciele przemysłu oraz małych i średnich przedsiębiorstw (SME), będący odbiorcami mocy obliczeniowej HPC i / lub twórcami aplikacji HPC. Poświęcone im zostaną dwie sesje:

1. "Success HPC Stories for Small to Medium-sized Enterprises", na której można przedstawić lub wysłuchać doświadczeń przedsiębiorców z całej Europy w korzystaniu z obliczeń HPC,

2. "HPC access for SMEs", na której przewidziana jest dyskusja o potrzebach i możliwościach dostępu do usług HPC dla przedsiębiorstw.

Zapraszamy przedstawicieli przedsiębiorstw z Dolnego Śląska do zgłaszania nam chęci udziału w tym wydarzeniu. Udział w seminarium jest bezpłatny. Uczestnicy pokrywają koszty pobytu i podróży. Dalsze informacje odnośnie lokalizacji, zakwaterowania i szczegółowej agendy dostępne będą wkrótce.

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SAVE THE DATE

EUROPE GOES HPC
Industrial Competitiveness

Invitation to the Executive Seminar
on Industrial Usage of World-Class HPC Services
March 28-29, 2011
Stockholm, Sweden

This seminar is exclusively designed for CIOs, CTOs and R&D managers, responsible for designing, deploying and operating computing and data management infrastructures, or depending thereupon for the success of their enterprises. The seminar will provide decision-makers and leaders with a focus on the significant resources and expertise PRACE offers for high impact research and development and how enterprises can influence PRACE plans and the future of HPC in Europe.

Representatives from industry and the European Commission are invited to share their views and learn about PRACE resources, services, education and training opportunities. Industries include the automotive, aerospace, consumer products, electronics, energy, entertainment, finance, forest, logistics, materials, pharmaceuticals, semiconductor, service, software, telecom as well as other industries and commercial sectors.
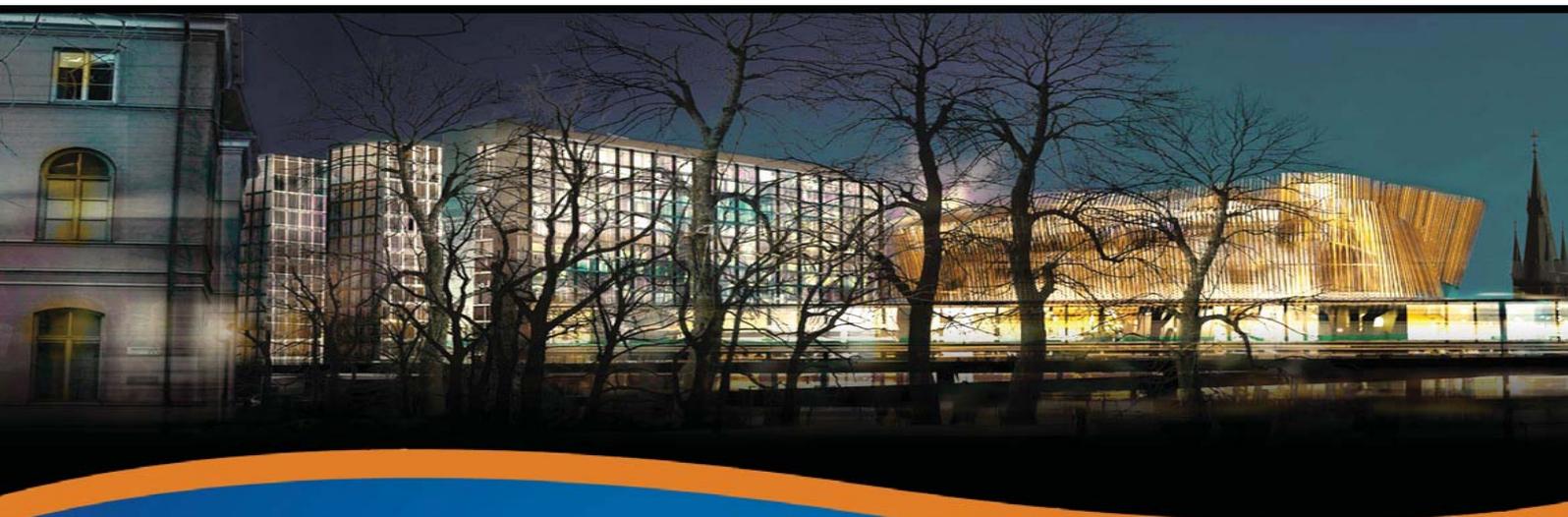
PARTNERSHIP
FOR ADVANCED COMPUTING
IN EUROPE

What is PRACE?

PRACE (Partnership for Advanced Computing in Europe) Research Infrastructure (PRACE-RI) is an international non-profit association with a mission to advance European competitiveness in research and industry by means of high-performance computing. It provides leadership class computing and data management resources to public and private research and development. PRACE resources are available to European researchers and their collaborators through a peer review process governed by a Scientific Steering Committee of European leading scientists. The peer review process assures high scientific and economic impact of the PRACE-RI for the benefit of European societies and citizens. PRACE has an extensive education and training effort for effective use of the RI through seasonal schools, workshops and scientific and industrial seminars throughout Europe.

PRACE partners operate the PRACE-RI as well as national and regional high-performance computing centres with considerable expertise in user support, applications, and supercomputer systems and software. PRACE deploys, operates and maintains a broad range of high-performance computer systems, and is an early adopter of cutting edge hardware and software. PRACE has one Petascale (1 Petaflop/s = 10^{15} floating-point operations/sec) system in operation and a second Petascale system is being deployed. Energy efficiency and environmental impact of computing systems are at the forefront in systems procurement, installation and operation.

PRACE is funded by European government organisations responsible for High-Performance Computing resources and services for public research. PRACE also receives funding from the European Community Seventh Framework Programme (FP7/2007-2013) under grant agreement n° RI-261557. PRACE-RI is governed by a council of representatives of the member governments and is seated in Brussels, Belgium. PRACE current members are Austria, Bulgaria, Cyprus, Czech Republic, Finland, France, Germany, Greece, Ireland, Italy, The Netherlands, Norway, Poland, Portugal, Serbia, Spain, Sweden, Switzerland, Turkey and the UK.

PRACE Seminars

PRACE industry seminars are ideal events for parties engaged in European HPC, not only to learn about how PRACE resources, expertise, education and training can contribute to business success, but also to meet others engaged in European HPC and share experiences. The seminar is designed for small as well as large enterprises. The PRACE expertise includes extensive knowledge in a broad range of computer systems, software, infrastructure and emerging technologies, and training in the effective use thereof.

The PRACE 2011 Industry Seminar will take place in Stockholm following the success of the previous Industry Seminars in 2008 in Amsterdam which included 93 attendees from 13 European countries representing 35 European companies and in 2009 in Toulouse with 103 attendees from 19 European countries representing 57 European companies.

The 2011 Seminar will present success stories from HPC use in Nordic enterprises and address Independent Software Vendor (ISV) issues in HPC in addition to presenting PRACE resources, service offerings and plans. Sessions will address issues of high relevance to Small and Medium Enterprises (SMEs) and inform how PRACE can assist in terms of resources and expertise. The Seminar will also present opportunities to provide suggestions and inputs to PRACE to enhance its value to enterprises and to affect a pilot program being established for use of PRACE resources and services by industrial, commercial and public sector entities.
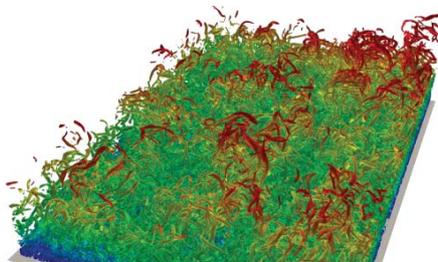
© Linné FLOW Centre, KTH Mechanics, Stockholm, Sweden: Vortical structures in a turbulent boundary layer.

PRACE for Enhanced Competitiveness

Simulation and data analysis are integral parts of engineering research, development, product design and manufacturing as well as the third pillar of scientific discovery together with theory and experimentation. Simulation and data analysis are also integral and critical parts of business decision making in many enterprises. Success stories cover the range from multi-million Euro capital equipment, such as aircraft, to consumer products costing a few Euros or less, and also decision making in many sectors, such as energy, finance and transportation affecting billion Euro activities.

PRACE can contribute to the competitiveness of European enterprises and effectiveness of public sector entities through its computation and data management resources and expertise. This leads to shortened time-to-solution, improved products from a user's perspective, decreased cost, more informed or faster decision making and more effective and efficient services.

Why should you participate?

The seminar presents a unique opportunity for enterprises to voice requirements and potential obstacles in using PRACE services and to influence PRACE plans.

Your participation provides a prime opportunity to influence the PRACE pilot program being established to lower the barriers for industrial use of PRACE resources and associated services.

Engagement of enterprises is essential for PRACE to successfully contribute to the competitiveness of European enterprises.

To be able to exchange contacts, ideas, and experiences on HPC usage with companies of different sectors and sizes.
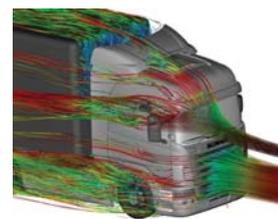
© Scania CV AB: Underhood thermal management simulations showing streamlines colored by velocity magnitude.

e-infrastructure