



CONTRACT NUMBER 508830

**DEISA**  
**DISTRIBUTED EUROPEAN INFRASTRUCTURE FOR  
SUPERCOMPUTING APPLICATIONS**

**European Community Sixth Framework Programme**  
**RESEARCH INFRASTRUCTURES**  
Integrated Infrastructure Initiative

Proceedings of DEISA International Conference

Deliverable ID: DEISA-DN2-8  
Due date : April, 30, 2007  
Actual delivery date: July, 4, 2007  
Lead contractor for this deliverable: CSC, Finland

Project start date : May 1<sup>st</sup>, 2004  
Duration: 4 years

<b>Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)</b>		
<b>Dissemination Level</b>		
<b>PU</b>	Public	X
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

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## **1. Executive Summary**

This document is the deliverable DN2-8 Proceedings of DEISA International Conference.

DEISA project has organised three DEISA Symposium events as the “DEISA International Conference” activity. This document gives the reference to the proceedings of these events available at the DEISA website.

The dissemination level of this document is public.

## 2. Three DEISA Symposium events and their proceedings

DEISA project has organised three DEISA Symposium events as the “DEISA International Conference” activity. This series of Symposium events have taken place annually in April-May in different locations in Europe. These events have been dedicated to the discussion of the scientific and strategic challenges in the area of High Performance Computing, and to assess the impact of the DEISA research infrastructure on computational science in Europe.

The first DEISA Symposium was held in Paris, France, on May 9-10, 2005 and it also included the formal inauguration of the Distributed European Infrastructure for Supercomputing Applications – DEISA. The proceedings of this event are available at [http://www.deisa.org/news\\_events/deisa\\_events/paris\\_symposium.php](http://www.deisa.org/news_events/deisa_events/paris_symposium.php). These pages contain the program, presentation slides and abstracts as well as the speakers’ biographies.

The second DEISA Symposium was held in Bologna, Italy, on May 4-5 2006. The scientific program provided a wide overview of the major computational challenges in all relevant areas of science and technology. These challenges are the target of the DEISA Extreme Computing Initiative, and they constitute the permanent focus of this series of DEISA meetings. Some of the “grand challenge” Extreme Computing projects currently in operation on the DEISA platform were reviewed. The strategic program dealt with general issues concerning national and European scientific policies for HPC, technology assessments, relations of the research infrastructures with the scientific community. The topics for this meeting were: eInfrastructures in Europe; HPC trends and overview of new supercomputing architectures. The proceedings of this event are available at [http://www.deisa.org/news\\_events/deisa\\_events/bologna\\_symposium.php](http://www.deisa.org/news_events/deisa_events/bologna_symposium.php). These pages contain the program, presentation slides and abstracts as well as the speakers’ biographies.

The third DEISA Symposium was held in Munich, Germany, on May 21-22, 2007. The topic of the event was *Towards Petascale Computing in Europe*. The third DEISA Symposium focused on the initiatives and strategies being deployed to enhance the outreach of high performance computing in Europe. At the event both existing HPC focused infrastructures in Europe, Japan and the US were presented as well as the future plans towards petascale computing. There were various scientific cases for petascale computing in Europe discussed, too. The proceedings of this event are available at [http://www.deisa.org/news\\_events/deisa\\_events/munich\\_symposium.php](http://www.deisa.org/news_events/deisa_events/munich_symposium.php). These pages contain the program, presentation slides and abstracts as well as the speakers’ biographies.

The fourth DEISA Symposium will be organised in the first half of 2008.