



The CERN Schools of Computing in a nutshell

Since the early seventies CERN has organized the CERN Schools of Computing (CSC), in one of the CERN Member States. CSCs, usually held in August/September, last two weeks and are open to postgraduate students and research workers with a few years of experience in elementary particle physics, in computing or in related fields. Attendance ranges from 70 to 80 students, typically of 15 to 25 different nationalities.

Theory and practice, Advanced Environment



The two-week programme of the CSC series is comprised of a series of lectures and hand-on exercises.

The hands-on part is a central component of the school, and is often structured in the form of projects to be carried out by groups of students. To this end, a computing infrastructure is created on the site of the school.

Examination and Certificate

A final examination is proposed to students. In case of success, formal certificates of proficiency are delivered by CERN.

These may be used by some participants, who are also engaged in university curricula, to obtain credits.

Who are the CSC students?



Students apply to the CSC from all over the world. The selection process takes into account the technical background of the applicants, their age, areas of work and interest, expectations, geographical origin and gender.

Origin of students over the past eight years (51 nationalities):

Albania, Algeria, Armenia, Austria, Belgium, Bulgaria, Brazil, Bulgaria, Canada, Cameroon, Colombia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, India, Iran, Israel, Italy, Japan, Korea, Lithuania, Mexico, Moldova, Morocco, Norway, Pakistan, People's Republic of China, Poland, Portugal, Romania, Russia, Serbia and Montenegro, South Africa, Slovak Republic, Spain, Sweden, Switzerland, Taiwan, Turkey, The Netherlands, United Kingdom, Ukraine, USA, Venezuela

European Union support



For the period 2004-2007, CSCs are supported by the European Union as part of the FP6 Marie-Curie Conference and Training Courses actions.

As a result, participants who satisfy the EU eligibility conditions may receive grants to cover part or all of the Fees and Living Expenses as well as part or all of their Travel Expenses.





CSC 2006: 21 August - 1 September 2006 in Helsinki, Finland

Organized in collaboration with the Helsinki Institute of Physics



Programme Highlights

GRID Technologies

The Grid track delivers unique theoretical and **hands-on** education on some of the most advanced GRID topics.

Software Technologies

The Software track addresses the most relevant modern techniques and tools for large scale distributed software development and handling as well as for computer security.

Physics Computing

The Physics Computing track focuses on informatics topics specific to the HEP community. After setting-the-scene lectures, it addresses experiment simulation and visualization.

Lecturers

Helene Cordier
 François Flückiger
 Rudi Frühwirth
 Robert G. Jacobsen
 Erwin Laure
 Martin Liendl
 Alberto Pace
 Klaus Schossmaier
 Heinz Stockinger

CSC2006 Organization

Central Management	Director Administrative Manager Technical Manager	Francois Flückiger Fabienne Baud-Lavigne Andreas Hirstius
Advisory Committee	Chairman Examination Coordinator Equal Opportunities Officer Track coordinators	Rudi Frühwirth Wisla Carena Rudi Frühwirth Erwin Laure Pere Mato Patricia McBride Andreas Pfeiffer Heinz Stockinger
	Ex-officio members	Wolfgang von Rüden Veikko Karimäki
Local Organizing Committee	Chairman	Veikko Karimäki

History of schools

1970	Varena	Italy
1972	Pertisau	Austria
1974	Godöysund	Norway
1976	La Gr. Motte	France
1978	Jadwisin	Poland
1980	Vraona	Greece
1982	Zinal	Switzerland
1984	Aiguablava	Spain
1986	Rennesse	The Nether.
1987	Troia	Portugal
1988	Oxford	Great Britain
1989	Bad Herrenhalb	Germany
1990	Ysemonde	Belgium
1991	Ystad	Sweden
1992	L'Aquila	Italy
1993	L'Aquila	Italy
1994	Sopron	Hungary
1995	Arles	France
1996	Egmond an Zee	The Nether.
1997	Pruhonic	Czech Rep.
1998	Funchal	Portugal
1999	St. Jablonki	Poland
2000	Marathon	Greece
2001	Santander	Spain
2002	Vico Equense	Italy
2003	Krems a.d. Donau	Austria
2004	Vico Equense	Italy
2005	Saint Malo	France
2006	Helsinki	Finland