The Fifth International Summer School on Grid Computing 2007

Gripsholmsviken Hotell & Konferens, Mariefred, Södermanland, Sweden 8-20 July 2007

Grids underpin the rapidly emerging e-Infrastructure and Cyberinfrastructure. This will transform information-intensive and model-based thinking. It will enable global collaborations to make rapid advances addressing challenges in science, economics, design, engineering and medicine, in fact in all walks of life.

The School will bring together world experts and enthusiastic students. It will examine the conceptual and practical underpinnings of today's grids. Experts will discuss the challenges of building and sustaining e-Infrastructure, report its rapid influence on the way we research, design and make decisions. They will share their vision of the developments and challenges ahead.

The School will consist of lectures in the morning and practical exercises in the afternoon. Lectures will tackle the principles, technologies, experiences and methods of using Grids. They will also review the research perspectives and report recent significant successes. Equipment will be available for the practical exercises at the School site, Gripsholmsviken Hotell & Konferens, in Mariefred. The work will be both challenging and rewarding. A social programme will support the curriculum and help students to form lasting friendships and enhance collaborative research.

To support the hands-on laboratory sessions, a testbed will be established that will host widely used middleware produced by projects in the USA, Europe and Asia. The testbed will be connected to major international Grids and provide a rich environment for hands-on learning and experimentation. Exercises and team work will encourage students to learn by using this testbed.

Students will be fired with enthusiasm, equipped with practical skills and will leave with many shared experiences, new friends and a new capacity for research into and using advanced distributed computing systems.

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Target Audience

The target audience will include enthusiastic and ambitious young researchers who expect to use or develop grids in their research. We look forward to greeting participants from virtually every continent, from any country. Applications are invited from researchers who have recently started (or are about to start) working on Grid projects. Students may be planning to pioneer or enable new forms of e-Infrastructure, engage in fundamental distributed systems research or to develop new methods in any discipline that depends on the emerging capabilities of e-Infrastructure.

Applications

In all previous years the level of applications have been of an extremely high standard and we have received more applications than places available. Selection for the school is therefore competitive based on the information supplied on the application form and by an applicant's referee. We expect to accept between 60 and 70 students. We will be looking for students with commitment and enthusiasm for Grid research and development. We will expect competence and experience in some aspects of software development, distributed systems, computational systems, data systems and Grid applications. Most students will establish their credentials from academic qualifications, but some will base this on experience. We also welcome as participants educators who are planning to teach Grid computing. The Summer School will be conducted in English, so participants are expected to be comfortable using spoken English.

We expect participants from computer science, computational science and any application discipline. The School will assume that students have diverse backgrounds and will build on that diversity.

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Deadline for applications: 1 May 2007