Program Chair’s Message

Welcome to Austin and to the 8th IEEE/ACM International Conference on Grid Computing (Grid 2007). Over the years, previously known as Grid workshop since last year the Grid conference, this series became the flagship conference for Grid research with a truly international coverage. This year, the Conference features 2 keynote presentations, 10 technical sessions, one panel, one poster and research demonstration, as well as 4 tutorials and 2 workshops.

The program committee had the arduous task of selecting 37 among the 169 submissions (full papers) received from 16 countries. Every paper was peer reviewed resulting in at least 3 reviews per paper. I was assisted in this effort by four outstanding Vice Program Chairs: Thilo Kielman (Applications), Kurt Stockinger (Data Management), Jacek Kitowski (Knowledge Management and Semantic Grid), David Chadwick (Networking/Security/Infrastructure), Ewa Deelman (Scheduling/Resource Management/Runtime Environments), and Gregor von Laszewski (Tools/Software/Middleware). I am very thankful to the vice chairs, the Program Committee members and external reviewers (listed elsewhere in the proceedings) for their outstanding reviewing work and for their help in the selection process. Without their help and timely work, the quality of this program would not be as high nor would the progress have run so smoothly. We acknowledge the efforts of the authors of papers submitted to Grid 2007, without whom this conference would not be possible. Due to the very competitive selection this year, numerous strong papers could not be considered for being included in the final program. We hope that authors will continue to view Grid 2007 as the premiere event for the dissemination of their novel, high quality research in Grid computing.

In addition to the research papers, the program includes two keynote speakers (Tony Hey from Microsoft and Carole Goble from the University of Manchester) and a panel that will reflect and compare the future of Grid Computing versus Supercomputing, organized by Geoffrey Fox from Indiana University.

Two workshops are planned to collocate with Grid 2007 this year which has been coordinated by the Workshop Chair Michael Gerndt, Technical University of Munich. I acknowledge the hard work of the organizers of each workshop. These workshop offer an opportunity to explore a great variety of special and highly relevant topics related to Grid computing.

Omer F. Rama, from Cardiff University put an excellent collection of tutorials together ranging from data management, programming paradigms, collaborative systems to market-based computing for the Grid.

As for the technical content, the papers you are about to read in these proceedings clearly show the greater level of maturity Grids achieved in the last few years. The Grid vision has started to materialise into concrete technologies and products, enabling new and more demanding applications and services. The convergence between Grids and Web services, Grids and Semantic technologies, and emerging Service Oriented Architectures as well as Service Oriented Knowledge Utilities will enable the provision of computing, data, information and knowledge capabilities as utility-like services in the future. Many papers selected for Grid 2007 demonstrate methods, theories, tools, services, policies, protocols, and development environments in line with this vision.

The international coverage and impact of Grid 2007 is also worth highlighting. The proceedings includes papers from 16 countries: Brazil, China, Austria, Germany, Japan, Italy, United States, France, Netherlands, United Kingdom, Sweden, Spain, Greece, Australia, Cyprus, and Portugal.
I would like to take the opportunity to express my deepest gratitude to the Grid2007 general chairs, Warren Smith and Valerie Taylor, and the steering committee who contributed to assembling this program including Edward Walker from TACC who organizes the poster and research demonstrations. The work of Rajkumar Buyya in putting together the conference proceedings is also acknowledged as well as Stefan Podlipnig from the University of Innsbruck in assisting with the Easychair submission and evaluation. It was a great pleasure to work with such a strong team.

Please enjoy the informative and stimulating presentations and your entire experience at Grid 2007 including the sights, excellent food and great spirit of Austin, Texas.

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Grid 2007 Program Chair