Message from PDSEC-08 Workshop Chairs

Welcome to the 9th International Workshop on Parallel and Distributed Scientific and Engineering Computing (PDSEC-08) held in conjunction with The 22nd International Parallel and Distributed Processing Symposium (IPDPS-2008), April 14-18, 2008 in Miami, FL, USA.

Parallel and distributed processing is one of the most exciting technologies to achieve prominence, whose development has been facilitated by the rapid advances in electronic and integrated circuit technologies, since the invention of computers in the 1940s. PDSEC is a multi-disciplinary meeting to discuss new and exciting scientific and technical work involving parallel and distributed computing. Researchers from all disciplines in the sciences, engineering and applied mathematics do participate. It is expected that the years to come will witness a proliferation of the use of parallel and distributed systems, or supercomputers. This kind of computing method has become a key technology which will play an important part in determining, or at least shaping, future research and development activities in many academic and industrial branches, especially when the solution of large and complex problem must cope with harder and harder time scheduling. This special workshop aims to bring together computer scientists, applied mathematicians and researchers to present, discuss and exchange ideas, results, work in progress and experience of research in the area of parallel and distributed computing for problems in science and engineering.

There were a very large number of paper submissions from Asia Pacific, Europe and North and South America. All submissions were reviewed by at least two committee members or external reviewers. It was an extremely difficult task to select papers for presentation at the workshop due to many excellent and interesting submissions. To maintain a high quality of the workshop, we finally decided to accept 24 papers for oral technical presentation. We believe all of these papers and topics will not only provide novel ideas, new results, work in progress and state-of-the-art techniques in this field, but also stimulate the future research activities in the area of parallel and distributed computing for science and engineering applications.

The program for this workshop is the result of hard and excellent work of many others, reviewers and program committee members. We would like to express our sincere appreciation to all authors for their valuable contributions and to all program committee members and external reviewers for their cooperation in completing the workshop program under a very tight schedule. Last but not the least, we thank Dr. Alan Sussman, IPDPS 2008 Workshops Chair for helping and encouraging the inclusion of PDSEC-08 in IPDPS-08.

PDSEC-08 Workshop Chairs

Gudula Rünger, Chemnitz University of Technology, Germany
Guojing Cong, IBM Watson Research Center, USA
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