

Message from PDSEC-06 Workshop Chairs

Welcome to the 7th International Workshop on Parallel and Distributed Scientific and Engineering Computing (PDSEC-06) held in conjunction with The 20th International Parallel and Distributed Processing Symposium (IPDPS-2006), April 25-29, 2006 in Rhodes Island, Greece.

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. 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 is 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 very large number paper submissions from Asia Pacific, Europe and North America. All submissions were reviewed by at least three committee members or external reviewers. It was an extremely difficult task selecting papers for presentation at the workshop due to many excellent and interesting submissions. In order to allocate as many papers as possible and keep the high quality of the workshop, we finally decide to accept 16 papers (around 50% acceptance rate) 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 2006 Workshops Chair for helping and encouraging the inclusion of PDSEC-06 in IPDPS-06.

PDSEC-06 Workshop Chairs

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