Message from the Program Chair

Welcome to the 21st International Parallel and Distributed Processing Symposium (IPDPS '07). We have an excellent conference program featuring 109 technical papers (including four "best papers"), three keynote talks, one banquet talk and one panel.

A total of 419 papers were submitted for the conference from around the world. After submission, each paper was assigned to one or more of the Vice-Chairs. The Vice-Chairs then assigned each paper to three program committee members. To maintain a high quality of the reviews, the program committee members were responsible for reading the papers themselves and submitting the reviews. They were allowed to request help from additional reviewers, as needed. However, the responsibility for entering the final reviews and recommendations in EDAS was left solely to the program committee members.

A record number of 1234 reviews (an average of 2.95 reviews per paper) were collected from 100 program committee members. Before the physical program committee meeting, electronic discussions were held among the program committee members through EDAS to focus on papers with high variant reviews and generate consensus. The program committee meeting was held on December 8, 2006 in Columbus, Ohio. The meeting was attended by the Program Chair, all Vice Chairs, the General Chair and a number of Program Committee members. We deliberated on the papers over a period of nine hours and finally selected 109 papers (an acceptance rate of only 26%) for the final program. A set of papers were accepted under "shepherding" and several Vice Chairs and Program Committee members worked closely with the authors of these "shepherded" papers to improve their quality. Based on the recommendations by the Vice-Chairs, a discussion also took place during the program committee meeting to select the four "best papers," one from each track. Congratulations to the authors of all accepted papers including the "best papers."

The 109 papers have been organized into 27 sessions and one "Best Papers" session. In addition, there will be three keynote talks, one banquet talk and one panel. I am very grateful to our keynote and banquet speakers for accepting our invitations: Christopher Johnson, Michael Flynn, Mark Seager and Umesh Vazirani. I am also grateful to Per Stenstrom for heading the panel on "Is the Multi-Core Roadmap going to Live Up to its Promises?" and assembling an outstanding set of panelists: Michel Dubois, Tim Mattson, Kunle Olukotun, David Padua and Marc Tremblay. The keynote talks, banquet talk and the panel will try to complement the technical papers to provide an outstanding perspective on the state-of-art research challenges and solutions for the parallel and distributed computing field.

I am indebted to many individuals for contributing to the success of the technical program. First of all, I would like to thank all four Vice Chairs (Yves Robert - Algorithms, Srinivas Aluru - Applications, Per Stenstrom - Architectures and Jose Moreira - Software) for shouldering the major responsibilities in handling the submissions in their respective areas. My sincere thanks is extended to all 100 program committee members who accepted our invitations, served on the committee while handling a high load of submissions, and were able to turn-in high quality reviews on time. I would also like to thank an outstanding set of reviewers (their names appearing in the proceedings as a separate list) who extended help to the program committee members by providing high quality reviews. I would also like to thank all of the authors who submitted papers to the conference. Without help from all of these dedicated individuals, it would not have been possible for me to put together this outstanding program.

It was a great honor to be asked to perform the function of the Program Chair for this prestigious and leading conference in the field. I would like to extend my sincere thanks to Viktor Prasanna and George Westrom (Steering Committee Co-Chairs) and Timothy Pinkston (General Chair) for giving me this opportunity to serve the community and providing

appropriate advice, guidance, help, support and encouragement throughout the last year during many difficult phases of organizing this conference. It was also a great pleasure to work with a set of highly dedicated and experienced individuals: Jie Wu (General Vice Chair), Sally Jelinek (Production Chair), Shoukat Ali (Proceedings Chair), Bill Pitts (Finance Chair) and Susamma Barua (Local Arrangements Chair). Finally, I would like to express my sincere thanks to Carrie Casto of the Computer Science and Engineering Department at the Ohio State University for extending tremendous help to me during the last several months in handling the submissions and providing logistical support for the program committee meeting held in Columbus. My sincere thanks to all of these individuals. Their timely help and guidance on many issues made my life much easier.

I hope that you will enjoy the strong technical program of this conference while exploring beautiful Long Beach and California!!

IPDPS 2007 Program Chair
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