The 18th IASTED International Conference on Parallel and Distributed Computing and Systems ~PDCS 08~

Chairman's Foreword

It is with great pleasure we welcome you to PDCS 08 in Orlando Florida. This is a major milestone for the PDCS Conference and we are glad you could join us. During the past two decades the area of parallel and distributed computing has seen tremendous growth in many different directions. This has been a consequence of the tremendous impact of the web, wireless communications, and many other new technologies and advances. These technologies and advances have provided a fertile and exciting ground for the development of parallel and distributed computing. We are now seeing inexpensive computing systems with multicores as well as sophisticated computing systems with a couple of hundreds of thousands of processors. Real-world applications of parallel and distributed computing have also seen tremendous growth. Therefore, it is predictable that the area of parallel and distributed computing will have an even brighter future.

PDCS continues to be a major forum for scientists, researchers, practitioners to meet, and exchange ideas on new developments, current trends and future directions. We hope that your interactions at the conference will be fruitful and will extend for many more years. We have prepared for you an outstanding program covering many aspects of parallel and distributed computing systems. The conference includes 54 paper presentations organized in 8 sessions The sessions include: Scheduling and Load Balancing, Wireless Networks, Routing Algorithms and Protocols, Applications and Systems, Grid and Distributed Computing, Software Systems and Tools, Distributed Data, and MultiCore and MultThreading. PDCS continues to be a truly international conference, as the Program Committee and authors are drawn from multiple countries in Europe, Asia and (North and South) America. We are thankful to Professor Serge Chaumette from the University of Bordeaux I (France) for being the Tutorial Chair and arranging an excellent tutorial presentation. The tutorial "Overview of Mobile IP and Computing, and WiMAX Technology" will be presented by Professor Nader Mir (San Jose State University). We are grateful to all the program committee members for their timely and thoughtful reviews; without their help it would not have been possible to come up with our program. We like to thank the previous PDCS General Chair, Professor S. Q. Zheng (University of Texas at Dallas) for all the advice he gave us to ensure the continued success of the PDCS Conference. The conference has benefited enormously from the continued support and sponsorship by the International Association of Science and Technology for Development (IASTED). We hope IASTED will continue to sponsor this conference for at least twenty years more. Finally, we would like to thank the IASTED staff for their extraordinary effort organizing the conference and monitoring the massive reviewing process.

Teofilo F. Gonzalez
Conference Chair, PDCS 2008