Welcome to the 2007 IEEE/ACS International Conference on Computer Systems and Applications (AICCSA 2007). This year’s conference marks the 5th anniversary of AICCSA, which is progressing at an excellent rate both in terms of quality and quantity.

AICCSA 2007 offers a unique forum for researchers and practitioners from academia, industry, business, and government to share their expertise results and research findings in all areas of Computer Systems and Applications.

We are honored to hold the conference under the patronage of His Excellency Senator Professor Dr. Adnan Badran, former Prime Minster of Jordan, former Deputy Director General of the United Nations Educational, Scientific and Cultural Organization (UNESCO), former Secretary General of Jordan’s Higher Council for Science and Technology (HCST), and an internationally known scientist and academic who also served in Jordan as Minster of Education, Minster of Agriculture, Founding President of Yarmouk University, Founder of Jordan University of Science and Technology (JUST), and Past President of Philadelphia University. HE Professor Badran will give the opening distinguished keynote speech.

This year’s conference includes an outstanding technical program, distinguished keynote speeches, and insightful tutorials. We have chosen the Le Méridien Amman Hotel as the site for our conference. The hotel provides excellent meeting facilities and will be a comfortable setting for our conference. It sets in the heart of the capital city’s Seven Hills. Le Méridien Amman is located in the center of the Shmeisani commercial district that is well-established in its rich cultural surroundings. The hotel is close to many attractions of Amman such as Jabal Amman, Abdoon, Sewefia shopping district, Mecca Mall, Downtown, the Citadel, and the Roman Theatre.

AICCSA 2007’s technical program consists of several parallel tracks every day and it will last for four days including the tutorials day. Each track consists of several sessions of top quality papers. The topics covered in the program include software engineering, networks and telecommunications, parallel and distributed computing, database and data mining, hardware/architecture/real-time systems, Geographical Information Systems/Global Navigation Satellite Systems (GIS/GNSSs), modeling and simulation, performance evaluation, digital signal processing, image processing, pattern recognition, multimedia systems, artificial intelligence, neural networks, fuzzy logic, genetic algorithms, wireless networks and communications, web systems, security and information assurance, algorithms, bioinformatics and biomedical engineering, and e-learning.
We received this year a large number of good papers from all around the world. Only high quality papers have been accepted. The acceptance ratio is about 38%. This speaks a lot about the diligent work of the technical program committee chairs, track chairs, technical program committee and reviewers. The accepted papers come from all over the World with representation from academia, industry, business and government.

Many individuals have contributed to the success of this high caliber international conference. My sincere appreciation goes to all authors including those whose papers were not included in the program. Many thanks to our distinguished keynote speakers and tutorial instructors for their valuable contribution to the conference. Special thanks to the technical program committee chairs, Prof. Krys Pawlikowski, Prof. Jose Marzo, and Prof. Pascal Lorenz. Many thanks go to the track chairs, technical program committee members and reviewers for their timely work and efforts.

Thanks to Prof. Franco Davoli for putting together an excellent tutorial program. Special thanks go to the publication chair, Juan Segovia, for his outstanding work and dedication including his efforts as a Web co-master. Many thanks also to Waleed Jayyousi for his excellent work as a Web Master. Thanks to posters chairs, Professors Imad Mahgoub and Richard Green, and workshops chair, Prof. Vojislav Misic.

Thanks are also due to Kelly Sutton, registration chair and our liaison with Omnipress and IEEE Computer Society. Special thanks to the international publicity committee members especially, Dr. Guoping Zeng, Dr. Essia H. Elhafsi, Dr. Mohammed Al-Mualla, Pere Vila and Su Tang. Thanks to the local publicity committee members especially, Yousef Qwasmeh. Thanks to the local arrangement committee members, especially Dr. Ayman Issa, Dr. Raed Abu Zitar, Dr. Issa Shehabat and Ms. Nuha Ayoub. Thanks to Dr. Balqies Sadoun, Social Event Chair, for the many tasks for the conference and timely action.

We would like to thank all of our sponsors, especially Philadelphia University and its President, His Excellency Professor Marwan Kamal, for supporting this event.


Mohammad S. Obaidat
General Chair, AICCSA 2007