Welcome to the 7th International Conference on Information Technology—New Generations (ITNG 2010). It is a pleasure to report that we have another successful year for the ITNG 2010. Gaining popularity and recognition in the IT community around the globe, the conference was able to attract 753 papers from authors worldwide. The papers were reviewed for their technical soundness, originality, clarity, and relevance to the conference. A total of 166 scientists participated in the review process, and each paper was reviewed by at least two independent reviewers. The overall acceptance rate was 28%.

The articles in this proceedings address the most recent advances in such areas as E-Learning and Education, Software Engineering, Information Security, High Performance Computing Architectures, Internet, Wireless Communications, Security, Data Mining, Informatics, E-Commerce, Digital Circuit Design, and Image Processing.

The conference features two keynote speakers on Monday and Tuesday. The first conference keynote is presented by Dr. Tom Malzbender from Hewlett Packard Labs and is entitled “Reflectance Imaging: A Simple Approach to Seeing Surface Detail.” The other keynote is given by Dr. Eugene Schultz, the Chief Technology Officer of Emagined Security. His talk is entitled “Data Security Breaches: An Unstoppable Epidemic?”

As customary, the presentations for Monday and Tuesday are organized in three meeting rooms simultaneously, covering a total of 12 sessions on each day. Poster presentations are scheduled for the morning and afternoon of these days. The award ceremony, conference reception, and dinner are scheduled for Tuesday evening. Two parallel sessions will continue on Wednesday.

Many people contributed to the success of this year’s conference by organizing symposia or technical tracks for the ITNG. My sincere thanks go to symposium and major track organizers and associate editors, namely, Drs. Jameela Al-Jaroodi, Azita Bahrami, Buket Barkana, Alain Bretto, Narayan Debnath, Luiz Alberto Vieira Dias, Mohammad Eyadat, Wenying Feng, Moses Garuba, Dion Goh, Ray Hashemi, James McCaffrey, Nader Mohamed, Yenumula Reddy, Inci Saricicek, Elhadi Shakshuki, and Xiaolong Wu. Others who were responsible for soliciting, reviewing, and handling the papers submitted to their respective sessions include Drs. Wei-Lung Chang, Jagadeesh Nandigam, Jesús Ubaldo Quevedo, Mehrdad S. Sharbaf, Jarrod Trevathan, Kurschl Werner, and Mei Yang.

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This year, the organizing committee selected the Las Vegas Flamingo as the conference new location. I like to thank a very important person in this hotel, Ms. Roma Giordano, the National Sales Manager of Flamingo Las Vegas. She was responsible for making this transition go smoothly and for meeting our requests promptly and professionally. I also appreciate the dedicated services of Dyrickie Hightower, the group reservation coordinator, and Greg MacKenzie, the hotel banquet manager for providing logistics.

I hope and trust that you have an academically and socially fulfilling stay in Las Vegas.

Shahram Latifi
The ITNG General Chair