Message from the Program Chair and Vice Chairs

It gives us a great pleasure to present you the technical program of the 4th IEEE International Conference on Pervasive Computing and Communications, PerCom 2006. PerCom is a high-quality conference focusing on all issues of pervasive computing and communications: from underlying technologies to applications and services.

This year conference received 280 submissions — confirming a trend of always increasing interest in PerCom — coming from 35 countries including Austria, Australia, Belgium, Canada, China, Croatia, Democratic People’s Republic of Korea, Egypt, Finland, France, Germany, Greece, Hong Kong, Hungary, India, Iran, Ireland, Israel, Italy, Japan, Mexico, New Zealand, Norway, Pakistan, Portugal, Republic of Korea, Singapore, Spain, Switzerland, Taiwan, The Netherlands, Tunisia, United Arab Emirates, United Kingdom, and USA. The world-wide scientific community contributed in a quite uniform way: America 22.9%, Africa 1.4%, Asia 40.7%, Australia 2.5% and Europe 32.5%. United States have been the main contributor (21%), but emerging countries, e.g., China (10.7%), submitted a significant number of papers. These numbers show that the community of researchers working on pervasive computing and communications is quickly growing worldwide, and underscore PerCom as a reference forum for the community of researchers working in this field.

With so many papers to choose from, providing a technical program of the highest technical excellence became a task that was challenging and time consuming, but ultimately a very rewarding one for the Technical Program Committee. Each paper was assigned to, at least, three TPC members. Papers were accepted based on referee reports and in-depth discussions at the program committee meeting held at IBM T.J. Watson Research Center (Hawthorne, NY) on November 3-4, 2005. From the received submissions, we finally selected 23 regular papers and 15 short papers for the presentation in the conference technical sessions. These selected contributions provide a comprehensive overview on the most excellent researches being undertaken worldwide in the area.

The PerCom 2006 program has been structured with eight plenary sessions, devoted to the presentation of regular papers, and two sets of parallel sessions for the presentations of concise contributions. The technical program also includes a Work In Progress session to encourage discussions on-going research, a Demonstration session to showcase emerging technologies and research prototypes, and two Keynote Lectures “When the Sensors Hit the Road: Challenges in Mobile Sensor Computing” by Hari Balakrishnan and “Future Trends in Wireless Technology and the Path to Pervasive Computing” by Dipankar Raychaudhuri. Last, during the Panel organized by Silvia Giordano and entitled “Autonomic: a booster for pervasive system?”, Jon Crowcroft, Christophe Diot, Mohan Kumar, Fabrizio Sestini, Franco Zambonelli, and Taieb Znati discuss the role of autonomic computing and communications in pervasive systems.

This event would not have been possible without the enthusiastic and hard work of a number of colleagues. As Program Committee Chairs, we would like to thank the General Chairs, for their assistance through the whole process, and the Steering Committee members for their supportive guidance. We wish to thank the publicity chairs for greatly advertising the conference. A special word of thanks to the TPC members, and all the referees, for their invaluable help in reviewing the papers for PerCom 2006. We would like to thank all the authors for their overwhelming support in submitting their papers to PerCom. Last but not least, we wish to thank you, the participants for attending the conference. We sincerely hope that you enjoy PerCom 2006!

Marco Conti
Program Committee Chair

Chatschik Bisdikian, Jadwiga Indulska, and Franco Zambonelli
Program Committee Vice Chairs

December 22nd, 2005