Welcome Message
from the IPM/ESA/RFID 2007
Workshop Co-Chairs

Welcome to the International Workshop on Intelligent Pervasive Middleware, Embedded System Architectures, and RFID Applications (IPM/ESA/RFID) that takes place in conjunction with The 2007 International Conference on Intelligent Pervasive Computing (IPC-07).

Pervasive devices and computers are spread throughout the physical environment to create ambient intelligence providing all the time useful services to improve human experience and quality of life. To achieve this, research in pervasive devices range from middleware level to embedded architecture, and also to RF (Radio Frequency) - based wireless communications and identification systems. Middleware systems have found its way from simple client server models to distributed systems, peer-to-peer systems, mobile devices, smart devices, and sensors. Embedded systems architectures for pervasive computers and devices facilitate the integration of computational intelligence in our everyday live surroundings, wearable objects, workplaces, homes, etc. to allow objects to sense and react efficiently to their changing environments. Along the same lines of striving for a better quality of human experience for mobile users, Radio Frequency Identification (RFID) has recently gained a significant momentum and is emerging as one of the major technology for revolutionizing a wide range of large-scale distributed information systems and applications including supply chain management, defense, aerospace, anti-counterfeiting, baggage handling, healthcare and pharmaceuticals.

This workshop serves as a forum to bring together researchers and practitioners working in the area of pervasive computing with emphasis on middleware, embedded system architecture, and RF-based systems to exchange and discuss their experiences, new research findings, and future ideas.

We appreciate all the authors who have submitted high quality papers. Each paper received at least three reviews, and finally 8 papers were accepted for workshop presentation. Unfortunately, many good papers had to be rejected as the acceptance rate was less than 30%. The IPM/ESA/RFID technical program is the result of hard work, and dedication of all the authors, reviewers, and the workshop organizers. We thank all of them. We all also thank the main IPC-07 conference organizing committee in particular the workshop organizing committee: Agustinus Borgy Waluyo (Institute for Infocomm Research, Singapore), Sajid Hussain (Acadia University, Canada), and Zhiwen Yu (Kyoto University, Japan).

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