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Embedded and Ubiquitous Computing

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Preface

Embedded and ubiquitous computing is an exciting new paradigm that provides computing and communication services all the time, everywhere. Now we can attach computing and communication devices to human bodies to monitor our health, embed computing chips into brains to cure memory losses, or make smart fabrics so they can change colors or generate heat. All these new devices are created to the benefits or convenience of human lives. We need creativity as well as the advance of technology. This emergence is an outcome of research and technological advances in embedded software, embedded hardware, pervasive computing and communications, wireless networks, mobile computing, distributed computing and agent technologies, etc.

The EUC 2006 conference provided a forum for engineers and scientists in academia, industry, and government to address challenges and to present and discuss their ideas, results, work in progress, and experience. The Technical Program Committee of EUC 2006 was led by the TPC Chair, Edwin Shan, and 13 TPC Vice Chairs. A strong international Technical Program Committee was then formed to review, evaluate the submissions, and select the papers to be presented.

EUC 2006 had a very large number of submissions, more than 500 submissions from all over the world. After the TPC Chair asked authors to consider resubmitting their papers to EUC workshops, 50 submissions were withdrawn and resubmitted to EUC workshops. Finally, 467 submissions entered the EUC conference review process. Each paper was reviewed by at least three TPC members or external reviewers. It was extremely difficult to select papers to be accepted for presentations because there were so many excellent and interesting submissions. We finally accepted 117 papers in which 113 papers are published in these proceedings. We believe that all of these accepted papers are of very high quality and can also stimulate future research innovations in the area of embedded and ubiquitous computing.

We wish to thank the Program Committee members for the time and thought that they gave to create a first-class program, especially considering that they worked under a very tight schedule with a surprisingly huge number of submissions. To all the authors who submitted the papers and made this conference a success, we thank you.

We are also grateful to the Organizing Committee for organizing the conference, and to the keynote speakers who agreed to give exciting speeches.

April 2006

Edwin H.-M. Sha, Sung-Kook Han, Cheng-Zhong Xu
Moon-Hae Kim, Laurence T. Yang and Bin Xiao
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EUC 2006 was organized and supported by the International Federation for Information Processing (IFIP). It was held in cooperation with the IEEE Computer Society, Korea Information Science Society and *Lecture Notes in Computer Science* (LNCS) of Springer.

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