

Pervasive Computing

4th International Conference, PERVASIVE 2006, Dublin, Ireland, May 7-10, 2006, Proceedings

This book constitutes the refereed proceedings of the 4th International Conference on Pervasive Computing, PERVASIVE 2006, held in Dublin, Ireland, in May 2006. The 24 revised full papers presented here are organized in topical sections on activity recognition, location, sensors, sensor processing and platforms, toolkits and gaming, security, pointing, interaction and displays, and smart homes, and beyond.

Welcome to the proceedings of the Fourth International Conference on Pervasive Computing. We are honored to serve as chairs in this conference series, founded in 2002, which has emerged as one of the most respected venues for publication of research in pervasive and ubiquitous computing. This year's conference demonstrated the increasing breadth and depth of worldwide research on pervasive and ubiquitous computing, with a record number of submissions (178) from a record number of countries (26). From among these high quality submissions, the Technical Program Committee accepted 24 papers. These papers were chosen solely on quality, using a double-blind review process. There was also a striking breadth of submissions. The submissions covered 29 topics, ranging from healthcare applications to embedded systems programming, from sensor networking to ethnography, from novel user interface techniques to power harvesting hardware. This year the most popular topics were programming environments, location-aware computing, and cell-phone interaction techniques. Our first thanks goes to all the 541 authors who submitted full papers to this conference. Presenting research work in a paper requires a great deal of effort. We hope that these authors were rewarded with insightful reviews and an enjoyable conference program. Any conference is only as strong as its reviewers and Program Committee. This is particularly true for this conference, which placed a very heavy load on its Program Committee. We were fortunate to have an outstanding and hard-working Program Committee: each Program Committee member was responsible for personally reading and reviewing at least 15 papers, and each paper discussed at the Program Committee meeting had been read by at least 3 Program Committee members.



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