

AMBIENT 2011

Forward

The First International Conference on Ambient Computing, Applications, Services and Technologies (AMBIENT 2011), held on October 23-29, 2011 in Barcelona, Spain, was devoted for a global view on ambient computing, services, applications, technologies and their integration.

On the way for a full digital society, ambient, sentient and ubiquitous paradigms lead the torch. There is a need for behavioral changes for users to understand, accept, handle, and feel helped within the surrounding digital environments. Ambient comes as a digital storm bringing new facets of computing, services and applications. Smart phones and sentient offices, wearable devices, domotics, and ambient interfaces are only a few of such personalized aspects. The advent of social and mobile networks along with context-driven tracking and localization paved the way for ambient assisted living, intelligent homes, social games, and telemedicine.

The conference provided a forum where researchers were able to present recent research results and new research problems and directions related to them. We welcomed technical papers presenting research and practical results, position papers addressing the pros and cons of specific proposals, such as those being discussed in the standard forums or in industry consortiums, survey papers addressing the key problems and solutions on any of the above topics, short papers on work in progress, and panel proposals.

We take here the opportunity to warmly thank all the members of the AMBIENT 2011 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to the AMBIENT 2011. We truly believe that thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the AMBIENT 2011 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success. We gratefully appreciate to the technical program committee co-chairs that contributed to identify the appropriate groups to submit contributions.

We hope the AMBIENT 2011 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in ambient computing research.

We hope Barcelona provided a pleasant environment during the conference and everyone saved some time for exploring this beautiful city.

AMBIENT 2011 Chairs

Advisory Chairs

Yuh-Jong Hu, National Chengchi University-Taipei, Taiwan (R. O. C.)

Naoki Fukuta, Shizuoka University, Japan

Andrzej Skowron, Warsaw University, Poland

AMBIENT 2011 Research Liaison Chairs

Rémi Emonet, Idiap Research Institute, Switzerland

Mieczysław A. Kłopotek, Polish Academy of Sciences - Warszawa, Poland

Special Area Chairs

Agents

Joseph Giampapa, Carnegie Mellon University, USA

Adina Magda Florea, University "Politehnica" of Bucharest, Romania

Context-awareness

Sylvain Giroux, Université de Sherbrooke, Canada