

# AMBIENT 2013

## Foreword

The Third International Conference on Ambient Computing, Applications, Services and Technologies (AMBIENT 2013), held between September 29 and October 3, 2013 in Porto, Portugal, continued a series of events devoted to a global view on ambient computing, services, applications, technologies and their integration.

Towards a full digital society, ambient, sentient and ubiquitous paradigms lead the way. 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.

We take here the opportunity to warmly thank all the members of the AMBIENT 2013 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 who dedicated much of their time and efforts to contribute to AMBIENT 2013. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the AMBIENT 2013 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that AMBIENT 2013 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of ambient computing, applications, services and technologies.

We are convinced that the participants found the event useful and communications very open. We hope that Porto, Portugal, provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

### **AMBIENT 2013 Chairs:**

#### **AMBIENT General Chair**

Maarten Weyn, Artesis University College of Antwerp, Belgium

#### **AMBIENT Advisory Chairs**

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

Naoki Fukuta, Shizuoka University, Japan

Andrzej Skowron, Warsaw University, Poland

#### **AMBIENT 2013 Research Liaison Chairs**

Rémi Emonet, Idiap Research Institute, Switzerland  
Mieczysław A. Kłopotek, Polish Academy of Sciences - Warszawa, Poland

**AMBIENT 2013 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