

SMART 2018

Foreword

The Seventh International Conference on Smart Systems, Devices and Technologies (SMART 2018), held between July 22 - 26, 2018- Barcelona, Spain, continues a series of events covering tendencies towards future smart cities, specialized technologies and devices, environmental sensing, energy optimization, pollution control and socio-cultural aspects.

Digital societies take rapid developments toward smart environments. More and more social services are digitally available to citizens. The concept of 'smart cities' including all devices, services, technologies and applications associated with the concept sees a large adoption. Ubiquity and mobility added new dimensions to smart environments. Adoption of smartphones and digital finder maps, and increasing budgets for technical support of services to citizens settled a new behavioral paradigm of city inhabitants.

We take here the opportunity to warmly thank all the members of the SMART 2018 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 SMART 2018. 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 SMART 2018 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that SMART 2018 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 smart systems, devices and technologies.

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

SMART 2018 Chairs:

SMART Steering Committee

Wolfgang Leister, Norsk Regnesentral, Norway

Christine Perakslis, Johnson & Wales University, USA

Brendan O'Flynn, Tyndall National Institute | University College Cork, Ireland

Sanja Lazarova-Molnar, University of Southern Denmark, Denmark

Lasse Berntzen, University College of Southeast, Norway

Markus Taumberger, VTT Technical Research Center of Finland Ltd., Finland

Jianguo Ding, University of Skövde, Sweden

SMART Industry/Research Advisory Committee

Steffen Fries, Siemens AG, Germany

Andrea Vinci, CNR - National Research Council of Italy | Institute for High Performance Computing and Networking (ICAR), Italy