

# ACHI 2019

## Forward

The Twelfth edition of The International Conference on Advances in Computer-Human Interactions (ACHI 2018) conference was held in Athens, Greece, February 24 - 28, 2019.

The conference on Advances in Computer-Human Interaction, ACHI 2019, was a result of a paradigm shift in the most recent achievements and future trends in human interactions with increasingly complex systems. Adaptive and knowledge-based user interfaces, universal accessibility, human-robot interaction, agent-driven human computer interaction, and sharable mobile devices are a few of these trends. ACHI 2019 brought also a suite of specific domain applications, such as gaming, social, medicine, education and engineering.

The event was very competitive in its selection process and very well perceived by the international scientific and industrial communities. As such, it is attracting excellent contributions and active participation from all over the world. We were very pleased to receive a large amount of top quality contributions.

The accepted papers covered a wide range of human-computer interaction related topics such as graphical user interfaces, input methods, training, recognition, and applications.

We believe that the ACHI 2019 contributions offered a large panel of solutions to key problems in all areas of human-computer interaction.

We take here the opportunity to warmly thank all the members of the ACHI 2019 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 ACHI 2019. 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. In addition, we also gratefully thank the members of the ACHI 2019 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success.

We hope the ACHI 2019 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the human-computer interaction field.

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

### **ACHI 2019 Chairs**

#### **ACHI Steering Committee**

Leslie Miller, Iowa State University - Ames, USA  
Uttam Kokil, Kennesaw State University Marietta, USA  
Flaminia Luccio, University Ca' Foscari of Venice, Italy

#### **ACHI Industry/Research Advisory Committee**

Jacki O'Neill, Microsoft Research, India  
Weizhi Meng, Institute for Infocomm Research (I2R), Singapore  
Harald Milchrahm, Institute for Softwaretechnology - Technical University Graz, Austria  
Steffen Scholz, Karlsruhe Institute of Technology (KIT), Germany  
Ryo Ishii, NTT Corporation, Japan  
Zahen Malla Osman, The National Center for Scientific Research (CNRS), France  
Mohammed Korayem, Careerbuilder.com, USA