

Preface

This year we are celebrating the 15th anniversary of ICOST, a conference which has succeeded in bringing together a community from different continents over a decade and a half and has raised society's awareness of frail and dependant people's quality of life.

ICOST has so far been hosted in France (2003), Singapore (2004), Canada (2005), Northern Ireland (2006), Japan (2007), USA (2008), France (2009), South Korea (2010), Canada (2011), Italy (2012), Singapore (2013), USA (2014), Switzerland (2015), and China (2016). Following these 14 annual events, covering the three continents of Europe, Asia and North America, the 15th International Conference on Smart Homes and Health Telematics (ICOST'2017) will be hosted in France by the Institut Mines-Télécom/CNRS IPAL (UMI 2955).

ICOST provides a premier venue for the presentation and discussion of research in the design, development, deployment, and evaluation of Smart Urban Environments, Assistive Technologies, Chronic Disease Management, Coaching, and Health Telematics Systems. ICOST brings together stakeholders from clinical, academic, and industrial backgrounds along with end users and family caregivers to explore how to utilize technology to foster independent living and offer an enhanced quality of life. ICOST 2017 invites participants to present and discuss their experience in design, development, deployment, and evaluation of assistive and telehealth systems, as well as ethical and policy issues. The conference features a dynamic program incorporating a range keynote talks, of technical, clinical, or industrial focus, oral and poster presentations; and demonstrations and technical exhibits.

The theme of the conference this year is "IoT for Enhanced Quality of Life and Smart Living" focusing on the quality of life of dependent people, not only in their homes, but also in an outdoor living environment, to improve mobility and social interaction in the city. Extending the living space with suitable support from ICTs in terms of smart transportation, mobility, interaction, and socialization is the scientific challenge that the ICOST community has decided to tackle. ICTs are not limited only to end-users with special needs, but also to caregivers and relatives in charge of taking care of dependent and elderly people. To be more effective and impactful, technologies in different areas, such as IoT (Internet of Things), big data analytics, smart mobility... should target all stakeholders.

ICOST 2017 is proud to extend its hospitality to an international community consisting of researchers from major universities and research centers, people from industry and users from 18 different countries. We would like to thank first the authors for submitting their current research work and the Program Committee members for their commitment in reviewing submitted papers. ICOST proceedings have now reached over 150000 downloads, which puts their download figures in the top 25% of Springer's LNCS.

We are very pleased to host world-renowned keynote speakers from multiple backgrounds, coming from Canada, Finland, Singapore, and France, and we are extremely honored by the confidence of the sponsors in this conference.

We are looking forward to welcoming you to France! We wish you all a pleasant stay in Paris, and a memorable and rich experience at ICOST 2017.

July 2017

Mounir Mokhtari
Bessam Abdulrazak
Hamdi Aloulou

Enhanced Quality of Life and Smart Living
15th International Conference, ICOST 2017, Paris,
France, August 29-31, 2017, Proceedings
Mokhtari, M.; Abdulrazak, B.; Aloulou, H. (Eds.)
2017, XXV, 262 p. 102 illus., Softcover
ISBN: 978-3-319-66187-2