Message from the I4T 2016 Workshop Chairs

Welcome to the first edition of the International Workshop on Interoperability, Integration, and Interconnection of Internet of Things Systems (I4T 2016) that is jointly held with the inaugural edition of the International IEEE Conference on Internet-of-Things (IoT) Design and Implementation.

While still in his infancy, the IoT domain already includes a number of implemented solutions, ranging from networked smart devices to even large-scale distributed platforms. However, the heterogeneity at all levels of those solutions is preventing different systems to interoperate effectively, despite significant efforts in the development of a unique reference standard for IoT systems technology. The situation is likely to worsen in the near future, as lack of interoperability causes major technological and business-oriented issues such as impossibility to plug non-interoperable IoT devices into heterogeneous IoT platforms, impossibility to develop IoT applications exploiting multiple platforms in homogeneous and/or cross domains, slowness of IoT technology introduction at large-scale, discouragement in adopting IoT technology, increase of costs, scarce reusability of technical solutions, and user dissatisfaction.

This Workshop was created with the aim of investigating such lack of interoperability in the IoT realm by welcoming papers providing innovative research-oriented as well as industry-oriented contributions focusing on interoperability, integration, and interconnection of heterogeneous IoT systems, at any level. It is worth highlighting that the workshop organizers are also partners in the H2020 ICT-30 Call INTER-IoT project having "IoT Interoperability" as the main goal.
20 papers were submitted, out of which 8 full papers were selected (in addition, 6 papers were accepted as short papers to foster presentation of some interesting ideas). These papers covered some of the topics related to IoT interoperability, integration and interconnection, from several viewpoints: device, networking, middleware, application services, semantics, and overall IoT platform.

We hope you enjoy our inaugural program and contribute to future editions of this workshop. We would like to thank the technical program committee for working hard on selecting the best papers that represent the intended scope of the workshop. We also thank the general chairs and organizers' team of the main hosting conferences (IoTDI and IC2E) for giving us the opportunity to organize our workshop in a top-level and challenging context! It has been a great pleasure working with this team. Last but not least, we thank the authors and attendees for making this workshop an interesting reality. With your help, we hope this year will be the beginning of a successful and growing workshop series. We look forward to seeing you again and wish you a great time in Berlin.

Giancarlo Fortino, *University of Calabria, Italy*
Carlos E. Palau, *Universitat Politecnica de Valencia, Spain*
Antonio Liotta, *Eindhoven University of Technology, Netherlands*
Marco Manso, *Rinicom, United Kingdom*
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