

# Preface

We are very pleased to introduce the proceedings of the First EAI International Conference on Smart Grid Inspired Future Technologies (SmartGIFT 2016). This was the first SmartGIFT conference, aiming to create a forum for researches, developers, and practitioners from both academia and industry to publish their key results and to disseminate state-of-the-art concepts and techniques in all aspects of smart grids. The 37 scientific participants had many fruitful discussions and exchanges that contributed to the success of the conference. Participants from 12 countries made the conference truly international in scope.

SmartGIFT covers many technical topics including high-level ideology/methodology, concrete smart grid inspired data sensing/processing/networking technologies, smart grid system architecture, quality-of-service (QoS), energy efficiency, security in smart grid systems, management of smart grid systems, service engineering and algorithm design, and real-world deployment experiences, etc. The peer-reviewed technical program of SmartGIFT 2016 consisted of 25 full papers in oral presentation sessions from the main conference track, the Workshop on Security, Flexibility and Demand Management in Smart Low-Voltage Grids, the Workshop on Systems and Technology for Energy Management in Communication Networks, and the special track on Communications and Management of Smart Grid Enabled Cities. Aside from high-quality paper presentations, the technical program also featured a keynote speech from world-renowned scientist, Prof. Vincent Wong from the University of British Columbia, Canada, and a panel discussion on “ICT-Driven Innovation for the Energy Field” organized by EIT Digital.

Coordination with the steering chairs, Imrich Chlamtac and Victor C.M. Leung, and the general chairs, Victor C.M. Leung and Kun Yang, was essential for the success of the conference. We sincerely appreciate their constant support and guidance. It was a great pleasure to work with such an excellent team. We are also indebted to the workshop chairs, Shusen Yang and Ming Xia, for their excellent work in organizing the attractive workshops, and to the publication chair, Jianliang Gao, for his hard work in preparing these proceedings. We would like to express our appreciation to all the members of the Organizing Committee and Program Committee for their efforts and support. We are grateful to all the authors who submitted their papers to the SmartGIFT 2016 conference and workshops.

Given the rapidity with which science and technology is advancing in all the fields covered by SmartGIFT, we expect that future SmartGIFT conferences will be as stimulating as this very first one was, as indicated by the contributions presented in this volume.

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