Chair Welcome Message

Welcome from the IEEE OnlineGreenComm'16 conference organizers

It is our honor and pleasure to welcome you to the sixth annual 2016 IEEE Online Conference on Green Communications (OnlineGreenComm). The IEEE OnlineGreenComm'16 was organized in the period of November 14 – 17, 2016 as a fully online event, through conference virtual communication platform which offers a unique and unsurpassed networking and interaction experience. The conference was organized by the IEEE Communications Society (ComSoc) and supported by the Technical Committee on Green Communications and Computing (TCGCC). This sixth IEEE OnlineGreenComm conference served as a forum for presenting and discussing novel research and technological developments in the area of green communications, networking and computing.

IEEE OnlineGreenComm'16 conference participants enjoyed the benefits of an online conference format in terms of reduced costs and travel time. Such environmental friendly conference format is in line with interests of involved researchers to discuss "energy-efficiently on energy-efficiency" of communication systems. The online conference format also provides possibility of conference participation to those having traveling difficulties and offers all speakers a truly worldwide audience, with ability of question answering in real-time through interaction with session chairs and with the aid of webcast managers.

Researchers and experts from industry, scientific institutes and universities have submitted in total 39 papers for presentation at IEEE OnlineGreenComm'16. Each submitted paper has been reviewed by at least three expert scientists from universities, institutes and Information and Communication Technologies (ICT) companies all over the world. All accepted papers have been carefully selected based on their relevance, conceptual clearness, contribution, and overall quality. 12 submitted papers have been accepted for presentation, making conference acceptance rate of 31 %. In addition, six invited papers have been also presented within the technical program of the conference. Overall, nearly 25 presentations were held during the conference by contributors from Europe/Middle East/Africa, Asia/Pacific, United States and Canada. All accepted and presented papers are included in the IEEE Xplore database.

The technical conference program featured eight technical sessions, two keynote presentations, two panel discussions and a virtual happy-hour. Technical sessions were dedicated to Green wireless communications, Green optical communications, Sustainability of communication systems and Smart cities. In each technical session, between two and three invited or regular papers were presented. The technical program of the conference explored diverse topics, ranging from energy harvesting of sensor ad hoc networks and green communications in fifth generation (5G) networks to energy-efficiency in wired optical networks and improvements in vehicle charging management. IEEE OnlineGreenComm'16 conference was closed with the virtual happy-hour, the newest type of socializing and networking format. In an informal conference ambient, the virtual happy-hour provided the industry and academia participants of different generations and backgrounds a possibility to exchange experiences, ideas and novel initiatives in the area of green communications.

The conference organizers invested great efforts in soliciting conference participation, promoting the

conference agenda and scheduling the review process. On behalf of the conference chairs, we would like to thank each person involved in the organization of the IEEE OnlineGreenComm'16 conference. Particular gratitude goes to each and every reviewer who volunteered time and professional expertise during review process of submitted papers. In addition, special thanks goes to conference manager David Stankiewicz form IEEE for his immense help in conference organization and coordination of all activities. Last but not least, the conference chairs express gratitude to the keynote speakers, panelists and contributing authors for sharing their expertise and state of the art research results.

Finally, we hope that readers of accepted IEEE OnlineGreenComm'16 conference papers will find the articles and presentations informative and inspiring in terms of opening new horizons in this exciting and fast-evolving field of green communications. While expressing our hope that you enjoyed this year's conference, we are looking for your valuable feedback which will help in our aim towards improving the conference experience of future conference editions.

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