

Preface

We are delighted to introduce the proceedings of the very first edition of the 2017 European Alliance for Innovation (EAI) International Conference on Ubiquitous Communications and Network Computing (UBICNET). This conference brings together researchers, developers, and practitioners on one platform to discuss advances in communication such as 5G and interconnected systems. The theme of the conference was the “Internet of Things and Connected Society.”

The technical program of UBIKNET 2017 comprised 23 full papers in oral presentations in the main conference tracks. The tracks were arranged in the following sessions: Safety and Energy Efficient Computing; Cloud Computing and Mobile Commerce; Advanced and Software-Defined Networks and the Advanced Communication Systems and Networks. Beside the high-quality technical paper presentations, the technical program also featured six keynote speeches and a panel discussion on “The Impact of 5G-IoT and Wearables and India’s Efforts Toward Standardization/Development.” The excellent keynote speeches by experts from industry focusing on the highly challenging objectives of the country to build 100 smart cities in the next four years were highlighted. Various challenges on safety, security, and the time frame were also discussed. However, converting these challenges into opportunities was the key point of discussion to motivate the audience and encourage them to start working toward this goal. Similarly, the keynote speeches on mission-critical communication solution with 5G and interference of radio signal converted into opportunities for ubiquitous communication were also interesting talks. In addition, the conference also had three tutorials; the tutorials and a workshop on security in IoT, IoT protocols, and artificial intelligence and machine learning were equally attended by many participants. Indeed, the very first edition of the conference was very successful.

The success of the conference relied on the structured coordination with the steering chair, Imrich Chlamtac, and the general chair, Navin Kumar, as well as the Technical Program Committee (TPC) co-chair, Arpita Thakre. The conference management and EAI teams were quick in responding to queries, which was another reason for the success of the conference. We sincerely appreciate their constant support and guidance. It was also a great pleasure to work with such an excellent Organizing Committee and we thank them for their hard work in organizing and supporting the conference. In particular, the TPC, led by our TPC co-chairs, Dr. Arpita Thakre, who ensured timely review of all the papers and the selection of only high-quality of papers. We also sincerely thank the Organizing Committee co-chairs and other members, in particular the local arrangement co-chairs, Sagar B. and Ms. Sreebha, who worked tirelessly to ensure the event ran smooth and as per the plan. We are also grateful to the conference managers, Lenka, Monika Szabova, Ivana Allen, and Dominika Belisova, for their continuous support. In addition, we are very grateful to all the authors who submitted their papers to the UBIKNET 2017 conference.

We strongly believe that the UBICNET conference provided a good forum for all researchers, developers, and practitioners to discuss the relevant technology, research, and development issues in this field. We hope future editions of UBICNET will be as successful and stimulating as indicated by the contributions presented in this volume.

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