

Preface

This AISC volume contains the papers presented at the COMNET 2016: International Conference on Communication on Networks. The conference was held during February 19 and 20, 2016 at Ahmedabad Management Association (AMA), Ahmedabad, India and organized by Computer Society of India (CSI), Ahmedabad Chapter, Division IV and Association of Computing Machinery (ACM), Ahmedabad Chapter. International Conference on Communication and Networks (COMNET 2016) is an open forum for researchers, engineers, network planners, and service providers targeted on newly emerging algorithms, communication systems, network standards, services, and applications, bringing together leading international players in computer communication and networks. This conference provides a forum to researchers to propose theory and technology on the networks and services, to share their experience in IT and telecommunications industries, and to discuss future management solutions for communication systems, networks, and services.

This year the conference aims to bring researchers, industrialists, and experts on a single platform to discuss the challenges and issues with the IOT revolution. Internet of Things brings many small devices such as implantable medical devices, house sensors, parking sensors, and smart city related devices work in a coordinated manner. IOT requires these devices to be addressable remotely over Internet. IOT is expected to solve problems which are considered impossible to be solved so far, for example self-driving cars and self-managed houses. As this revolution provides services never seen or expected before, they bring unprecedented issues and challenges with them as well. Security, privacy, control, protocol design, and organization policies to deal with personal and other IOT devices, integration of IOT devices with conventional networking infrastructure, standardization of IOT services are a few common challenges. This conference aims to bring such issues to front and help participants to learn solutions proposed by researchers as well as industry.

This is a major international event organized by CSI Div IV (Communication) and is hosted by one of the chapters of CSI every year. The event was held in the past in various locations like Kolkata, Hyderabad, Udaipur, Trivandrum, Coimbatore, etc.

This year, the event is hosted by CSI Ahmedabad Chapter and held at Ahmedabad Management Association. COMNET 2016 was a two-day event offering plenary sessions, technical sessions, and manufacturers' presentations.

Research submissions in various advanced technology areas were received and after a rigorous peer-review process with the help of program committee members and external reviewer, 77 papers in a single volume were accepted with an acceptance ratio of 0.51. The conference featured many distinguished personalities like Dr. Andrzej Rucinski and Dr. Sumit Chaudhary and other well-known keynote speakers. Separate Invited talks were organized in industrial and academia tracks on both days. The conference also hosted few tutorials and workshops for the benefit of participants. We are indebted to all supporting bodies and members of Computer Society of India, Ahmedabad Chapter for their immense support to make this conference possible in such a grand scale. A total of eight sessions were organized as a part of COMNET 2016 including six technical, one plenary, and one inaugural session. A total of 62 papers were presented in six technical session with high discussion insights. The total number of accepted submissions was 75 with a focal point on networks theme.

Our sincere thanks to all Sponsors, press, print and electronic media for their excellent coverage of this convention.

Kadi, India
Norman, USA
Ahmedabad, India
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