



The 2nd EAI International Conference on Future Intelligent Vehicular Technologies  
OCTOBER 17–19, 2017 | ISLAMABAD, PAKISTAN

## Call for Papers

### Special Session: Future Networks: Communication Technologies, Applications, and Open Challenges

#### Outline:

Fifth Generation (5G) is a promising technology used for future development in the telecommunication infrastructure. In the last couple of years, the rapid growth in the number and complexity of wireless communication systems and services have caused a remarkable increase in the demand of higher bandwidth. By 2020, it is estimated that 50 billion devices will be connected to the internet. Since, the increase in objects connecting to internet require better and efficient usage of the spectrum. The future networking has solved this challenge up to certain extent but still many things needs to be addressed before applying these technologies for next generation of networks. The rapid increase in the number of wireless networks give birth to a new era of interconnectivity called Heterogeneous Wireless Networks (HetWNet). Thus, distributing the spectrum among heterogeneous wireless networks decreases the better utilization and Quality of Service (QoS) aware networking. Moreover, every year millions of new objects and users are joining the internet. Thus, extensively increases the use and generation of data. Due, to the introduction of 5G alongside future networking, the generation of data is highly increased. Thus, dealing with such enormous amount of data will requires sophisticated algorithms, fast and efficient Big Data Analytics in real-time. Further, the integration of cloud service, ubiquitous computing, and WSN over the internet should be realized with a complete generic standard, such that, it seamlessly connects existing, new, and future objects. Moreover, these all new technologies are being applied in other networking domains as well, including VANETs, Smart Grid, Smart Cities, Internet of Things, Big Data, and so on.

#### Topics:

**Topics include but are not limited to:**

- Future networking communications and architecture
- 5G communication and network interoperability
- Future networking in HetWNet
- Ubiquitous and seamless oriented 5G paradigm
- QoS aware networking in 5G and Future Networks
- Future Networks security and trust technologies
- IoT of Future Networking (IoToFN) technologies
- Innovative future networking service platforms
- Mobile Big Data in Future Networks
- Theoretical and computational models for IoToFN
- Distributed sensing, and heterogeneous big data integration and mining in IoT
- Energy efficient processing and high performance computing in IoToFN
- Relevant case studies and user experience based on existing networking
- Future networking integration with current wireless technologies

**Organizer:**

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**Important Dates:** Full Paper Submission deadline: **1 June 2017**

Notification deadline: **31 July 2017**

Camera-ready deadline: **31 August 2017**



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