



Title of the special session:

Intelligent Communication in Smart Cities Using 5G/6G Networks

Aim and Scope:

5G/6G networks is an upgradation to previous generation (4G network) cellular networks. The key objectives of this ground-breaking technology are to drastically increase the efficiency and performance in each field of networks so that an intelligent communication channels can be developed. Intelligent communication provides universal connectivity, higher data-rate, low latency, scalability that will help in improving quality of life. 5G/6G networks are going to steer every new generation technologies and applications such as mobile, eHealth, self-driven cars, smart nations, industrial nations, etc. Thus, it is capable enough to transform every sector of the economy and society of a country.

This special session intends to bring together researchers, scientist and industry experts from the field of computer networks to work in the emerging research field of 5G/6G networks. This special issue focuses to solicit latest and original research contributions to make smart nation with application of 5G/6G networks. The topics of interest comprised for solicitation are given below, but are not limited to following:

- Emerging Technologies in 5G/6G networks
- Applications of Artificial Intelligence and Machine learning for traffic congestion management
- AI, ML and Deep Learning for 5G/6G networks
- Edge, fog, cloud computing in intelligent communication
- Novel approaches, protocols and architecture for intelligent communication
- Security and privacy issues in 5G/6G networks
- Blockchain for intelligent communication security
- Optimization Techniques for energy efficiency
- Routing Algorithms for 5G/6G networks
- Modelling techniques for evaluation in 5G/6G networks
- IoT based Smart Communication for Smart nation
- Design, analysis and simulation of intelligent network
- Real-time data analysis and management
- Virtualization of smart communication using 5G/6G networks



- 5G/6G networks in medical and healthcare applications
- Challenges in 5G/6G networks: Fault tolerance, Throughput, Collision detection and avoidance, and Scalabilities

Session Chairs:

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