



**Title of the Special Session: Intelligent Wireless Communication Systems
and Biomedical Signal Processing**

Details of Session Chair and Co-Chair

SESSION CHAIR

Dr. Nikhil Marriwala

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Dr. Sunil Sharma

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Aims & Scope:

The main objective of this special session is to present the research from different areas of Computer Networks and Wireless Communication, Modulation and coding, Detection and estimation, 5G Wireless Systems, Waveforms, Millimeter waves communications, MIMO, Massive MIMO, Space-time coding, Precoding, Source coding for wireless communications, Compressed sensing, Network coding and Physical layer network coding, Machine Learning for communications, Stochastic geometry modelling, Cooperative networks and relaying, In-band full-duplex radio, Interference cancellation. This special session provides a platform for researchers and scientists across the world to exchange and share their experiences and research results about all aspects of electronics and information technology. This special session also provides an opportunity to interact and establish professional relations for future collaboration. The special session aims to promote innovations and work of researchers, engineers, students and scientists from across the world on Advancement in Computer Networks and Wireless Communication. The basic idea of the special session is what more can be done using the existing technology. In Today's world Computer Networks and Wireless Communication plays an important role for future's innovation.

The special session on Biomedical Engineering and Electronics invites unpublished original papers exploring recent advances and developments in the Multi-disciplinary applications of Bio-engineering and Bio-informatics, Computational Biology and Biomedical Electronics. The main

objective of this special session is to bring together both experts and new-comers to discuss novel and exciting issues in these areas. We encourage submission of methodology papers describing new challenges and techniques as well as application papers discussing the power and applicability of these novel methods in Bioinformatics, Computational Biology and Biomedical Engineering.

▪ **Subtopics:**

- 4G Systems
- Mobile Ad-hoc and Sensor Networks
- Body and Personal Area Networks
- Mobile Network Protocols and Packet Services
- Adaptive Wireless Network Protocols
- Network Management and Control
- Mobile IP
- Network Design, Optimisation, and Management
- Radio Coverage and Planning
- Performance Analysis of Wireless Networks
- QoS in Wireless Networks
- Wireless Propagation Channel Analysis and Modelling
- Radio Resource Management
- Implementation Architectures
- Emerging Technologies
- Software for Wireless Location Systems
- Pervasive Computing
- Personal Communication Systems
- Signal processing for wireless communications, Communication theory, Information theory, Antennas and propagation
- Networking, protocols, cognitive radio, wireless sensor networks, services and applications

Technical Programme Committee(s):

1. Dr. Anil Vohra, KUK
2. Dr. O.P.Sahu, NIT, Kurukshetra
3. Dr. Pradhan, IIT, Roorkee
4. Dr. Vikas Mittal, NIT, Kurukshetra
5. Dr. Shruti Jain, JUIT, Solan
6. Dr. Sunil Dhingra, KUK
7. Prof. Fazal A. Talukdar, NIT Silchar
8. Dr. G. Sagar, Professor, College of Engineering and Computing, Al Ghurair University
9. Dr. Ravibabu Mulaveesala, Department of Electrical Engineering, IIT Ropar.
10. Dr. Ajay Somkuwar, Designation: Professor, NIT Bhopal.

Submission Procedure:

Researchers and practitioners are invited to submit papers through the below given easy chair link:

<https://easychair.org/conferences/?conf=wcis2020>

Select the special session track from the listed track. All submissions must be original and may not be under review by another publication. The submitted papers will be reviewed on a double-blind and peer review basis.

Publications:

The after-conference proceeding of the CIS2020 will be published (approval pending) in Springer Book Series, 'Advances in Intelligent Systems and Computing'.

All inquiries should be directed to the attention of Session Chair/Co-Chair:

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