

Call for Papers
Special Session on

**“Next Generation Wireless Communication Systems: Challenges and Opportunities”
(NGWCS’ 2019 – ICMEET 2019), December 06-07, 2019**

Session Chairs

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Important Dates

Last Date of Paper Submission

17th September, 2019

Notification of Acceptance

7th October, 2019

**Camera Ready Copy
Submission & Author**

Registration

27th October, 2019

Publication

All accepted and registered papers of this special session will be published in Springer LNEE series.

[Indexed by: SCOPUS, ISI Proceedings, EI-Compendex, Meta Press, Springerlink]

Submission Guidelines

1. Prospective authors are invited to submit original research work that falls within the scope of the session. All submissions will be thoroughly peer-reviewed by experts based on originality, significance and clarity.

2. Only papers presenting novel research results or successful innovative applications will be considered for publication in the conference proceedings.

3. Kindly ensure that your paper is formatted as per Springer AISC Template (not exceeding 8 pages written in A4 size).

Registration

Please visit conference webpage for registration and other details:

<http://www.icmeet2019.in/>

Theme of Session:

Next generation mobile networks are expected to provide higher data rates, lower latency and reliable services in new era of smart communication. A scalable, programmable and customized network technology is the foremost requirement of the current scenario. The emergence of Software Defined Networking (SDN) other adaptive services/applications are gaining the much required attention of industry, research community and academia. SDN can provide automatic configuration of network policies as per the varying requirements of the user.

With the rapid emergence of 5G wireless communication technologies, there has been unprecedented development in the area of radio frequency hardware and software. There is a paradigm shift from fixed function hardware defined circuitry to software controlled circuitry. Software defined radio (SDR) & GNU Radio are the two emerging fields in communication that can be beneficial. SDR is a radio correspondence innovation which is based on communication protocols, defined through software rather than hardware. GNU Radio is a free software development toolkit that provides signal processing blocks to implement software-defined radios and signal processing systems.

In spite of these advantages, there are several applications where conventional numerical techniques are predominant even till now for several reasons. Considering this, the Session aimed to open deliberations on pros and cons of these novel techniques and tools along with the interest to explore the innovations in the contemporary research in the fields.

Topics of Interest:

We invite original (un-published) research contributions based on the above mentioned theme including following topics **but not limited to**:

- USRP and GNU Radio
- Cognitive Radio and Software Defined Radio
- Channel Diversity
- Spectrum Sensing
- OFDM and OFDMA
- GNU Radio Block Set Creation
- Massive MIMO Systems
- Cooperative Communication
- Hybrid deterministic/Meta-heuristic approach
- Signal and Image processing
- Modelling and Simulation
- Optimization Techniques and Applications
- Coding Techniques and Channel Analysis
- Advancements in 5G Communications
- Green Communications
- Device to-Device Communications
- Millimeter Wave Communications

Paper Submission Process:

Please submit your paper (in word/pdf format) with 'NGWCS' 19' mentioned in the subject line to ngwcs.icmeet@gmail.com

Program Committee:

Dr. Jaume Anguera Pros, Universitat Ramon Llull, Barcelona, Spain

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Dr. G Sree Valli, GNITW, Hyderabad

Dr. M. Vamshi Krishna, Centurion University

Dr. M. Prema Kumar, SVECW (A), Bhimavaram

Venue: Department of Electronics and Communication Engineering
Raghu Institute of Technology, Visakhapatnam, Andhra Pradesh, India

For any further queries related to this special session, please contact the session chairs at:

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