



# 5G FWT



# IEEE ANTS™



# IEEE ComSoc Bangalore Chapter

## IEEE 5G

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## 4th International Workshop on 5G and Future Wireless Technologies (5G-FWT 2019) in association with IEEE ANTS 2019 16-19 December 2019 – BITS GOA - India

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The fifth generation (5G) cellular technology has very different technology requirements compared to 3G and 4G cellular technology.

- 5G is expected to support 1000x higher mobile data volume and at least 10x end-user data rate.
- It is required to support a wide range of bandwidths.
- It is expected to provide extreme low latency in order to support tactile Internet.
- The number of connected devices is predicted to increase by a factor of 10-100x, thereby bringing in a need to support thousand of devices per access point.
- It is desired to support asynchronous and random network access requirement of the low power M2M devices
- Most importantly, an End-to-End Architecture that allows for a cost- and time-efficient introduction of 5G is needed.

The goal of 5G and Future Wireless Technologies (5G-FWT 2018) workshop is to provide a forum where diverse group of researchers can share the latest research insights, present key and novel results on 5G mobile communication technology enablers, including novel system architecture, and wireless techniques, explore different applications areas, and identify new challenges and opportunities.

**List of Topics of interest to be included, but are not limited to:**

- Novel waveforms for 5G (non-orthogonal and orthogonal)
- New Air interface techniques for 5G
- Flexible RAN architectures and Cloud-RAN
- Low Complexity Massive MIMO systems
- Relaying and range extension techniques
- Interference Mitigation and Interference Management techniques
- Dynamic Spectrum Access and Management
- Efficient techniques for out-of-band radiation reduction
- New coding solutions for small resource blocks
- Advances in synchronization, channel estimation & equalization for multicarrier and wideband single-carrier waveforms
- Software Defined Networks for 5G
- NFV in 5G Networks
- Cognitive Radio in 5G Networks
- Millimetre wave Communication
- Millimetre wave backhaul and access systems
- D2D and M2M Communication

### ORGANIZERS

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### IMPORTANT DATES

**Paper Submission:**  
**10 Nov 2019 (FIRM)**  
**Notification of Acceptance:**  
**17 Nov, 2019**  
**Camera Ready:**  
**22 Nov, 2019**  
**Workshop Date: 19 Dec 2019**

### PAPER SUBMISSION

All submissions should follow the guidelines of ANTS main conference: <https://ants2019.ieee-comsoc-ants.org/authors/>

Submit your paper here: <https://edas.info/newPaper.php?c=26919>

Submitted manuscripts must be formatted in standard IEEE camera ready format (double column, 10pt font; please visit ANTS author guideline) and must be submitted via EDAS (from above link) as PDF files. The manuscripts must be no longer than 6 pages. **No short paper** is accepted under this track. The Program Committee reserves the right to not review papers that violets these formatting rules. Submitted papers must not have been previously published, or be under consideration for publication elsewhere. The accepted and presented paper will be submitted for IEEE Xplorer

Questions about submitting manuscripts or special session related issues can be sent to [navinkumar@ieee.org](mailto:navinkumar@ieee.org); [arpita.thakre@ieee.org](mailto:arpita.thakre@ieee.org); USA/EU: [ashutosh.dutta@ieee.org](mailto:ashutosh.dutta@ieee.org)  
13th IEEE INTERNATIONAL CONFERENCE ON ADVANCED NETWORKS AND TELECOMMUNICATIONS SYSTEMS (ANTS 2019)