



Smart Technology for Next
Generation Connectivity



2nd International Conference on
**Advanced Communication Technologies
and Signal Processing**
(Virtual Mode)

15th -17th December 2021, ECE Department, NIT Rourkela
(Jointly Organized by Department of ECE, NIT Silchar)

CALL FOR PAPERS

The theme of IEEE ACTS 2021 is "**Smart Technology for Next Generation Connectivity**". Technological advances in communications, wireless sensor networks, signal processing, Internet of Things, cyber-physical systems are creating limitless possibilities for connecting multiple devices, networks, and systems to promote ideas for future generation of smart society.

TECHNICAL PROGRAM

Communication and Networking

- Wireless Communications & Networks
- Optical Communications & Networks
- Modulation and Coding Techniques
- Ad-hoc & Sensor Networks
- Vehicular Networks
- Mobility Models & Mobile Networks
- Internet-of-Things (IoT) Networks
- Device-to-Device (D2D) Communications
- Spectrum Management
- Social Network aware Wireless Network
- 5G & beyond Communications
- mm wave Communications
- Cross-layer designs
- Cognitive radio systems and networks
- Distributed Resource Allocation and Scheduling
- Multicarrier communication systems
- Modulation, Coding and Diversity
- Routing protocols and QoS scheduling
- Cooperative communications
- Underwater communications
- Green communications
- Smart Grid Communications
- Soft computing and its applications to Communications

Signal Processing

- Image/Video/Multimedia Signal Processing
- Audio/Speech/Spoken Language Processing
- Digital and Multi-rate Signal Processing
- Statistical signal Processing
- Pattern Recognition and Object Tracking
- Compressive Sensing and High Dimensional Statistics
- Signal Processing in Bio Medical Engineering
- Signal processing for communications
- Soft computing and its applications to Signal Processing
- Human-computer interfaces

RF and Microwave

- Antennas, Propagation and Computation EM
- RF/Millimeter-wave Circuits and Systems
- THz, mmWave and RF Systems for Communications
- Materials and Structures
- Microwave Metrology
- RF and Microwaves in Medicine and Biology
- Reconfigurable Intelligent Surfaces

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IMPORTANT DATES

Paper submission deadline: ~~15th Sept. 2021~~ 30th Sept. 2021

Notification of acceptance : 30th Oct. 2021

Camera ready submission: 15th Nov. 2021

More details are available at
<http://acts2021.nitrkl.ac.in>



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Contact us for more Information:

+91 6612462459, +91 6612462460

✉ acts2021@nitrkl.ac.in