





***NIT Silchar Student Branch Chapter***

**NATIONAL INSTITUTE OF TECHNOLOGY, SILCHAR**

**International Conference on**

**Advanced Communication Technologies and Signal Processing**

**(IEEE ACTS-2020)**

**22-24 May, 2020**

**Technical Co-Sponsorship by IEEE Kolkata Section**

*under the aegies of*



##### **Call for Papers**

**International Conference on Advanced Communication Technologies and Signal Processing (IEEE ACTS-2020) 22**-24 **May, 2020,** Technical Co-Sponsorship by **IEEE Kolkata Section** (***IEEE Conf. Record No.: #49415***) invites papers in the areas of Communications and Networking, Signal Processing, RF Circuits and Microwave, and in other allied areas including application of AI, ML/DL, BigData in the relevant areas. Original, unpublished research papers highlighting specific research domains from all viewpoints are invited from delegates all over the globe.

This year the theme is “**Connect, Sense and Bridge**”. Today’s technological advances in Wireless Communication, Wireless Sensor Networks, Internet of Things or Cyber Physical Systems or Biomedical Signal Processing are generating enormous possibilities to **connect** numerous devices, networks and systems, Intelligently **sense**s the deliverables and **bridge** them with the existing physical world.

All accepted and orally presented papers of IEEE ACTS-2020, will be sent for publication in ***IEEE Xplore*** (indexed in major databases including ***Scopus***)

**Travel Grant:** Limited funds are available for students to travel to the conference for paper presentation.

# Committee

##### **Chief Patron:**

* Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

**Patrons:**

* Prof. F. A. Talukdar, NIT Silchar
* Prof. S. Baishya, NIT Silchar

##### **General Chair:**

* Prof. Saswata Chakraborty, IIT Kharagpur

##### **General Co-Chairs:**

* Prof. Iti Shaha Misra, Jadavpur University
* Prof. Raja Datta, IIT Kharagpur
* Prof. Nababnita Das, ISI Kolkata
* Prof. S Raghavan, NIT Trichy

**Organizing Chair:**

* Dr. Wasim Arif, NIT Silchar

**Organizing Co-Chairs:**

* Dr. K. L. Baishnab, NIT Silchar
* Dr. Rabul Hussain Lashkar, NIT Silchar
* Dr. Ashraf Hossain, NIT Silchar
* Dr. Debararti Sen, IIT Kharagpur
* Dr. Atanu Kundu, Secretary, IEEE Kolkata Section

**Organizing Secretary:**

* Dr. Prabina Pattanayak, NIT Silchar
* Dr. Devendra Singh Gurjar, NIT Silchar

**Program Co-Chairs:**

* Dr. S. D. Roy, NIT Durgapur
* Dr. Debasish Mitra, IIEST, Shibpur
* Dr. Sunil Yadav, IIIT Allahabad
* Dr. Prashant Kumar, NIT Jamshedpur
* Dr. Manish Mandloi, NMIMS, Shirpur
* Dr. Arup Bhattacharjee, NIT Silchar
* Dr. Trupti Ranjan Lenka, NIT Silchar
* Dr. Koushik Guha, NIT Silchar

**Technical Program Committee Chairs:**

* Dr. Rabul Hussain Lashkar, NIT Silchar
* Dr. Ashraf Hossain, NIT Silchar
* Dr. Wasim Arif, NIT Silchar
* Dr. Prabina Pattanayak, NIT Silchar

**Technical Program Committee Co-Chairs:**

* Dr. Taimoor Khan, NIT Silchar
* Dr. Gaurav Singh Baghel, NIT Silchar
* Dr. Tripti Goel, NIT Silchar
* Dr. Ranjay Hazra, NIT Silchar
* Dr. K. N. Das, NIT Silchar
* Dr. Debashish Mitra, IIEST, Shibpur
* Prof. Sudhakar Sahu, KIIT University, Bhubaneswar
* Dr. Nagendra Kumar, NIT Jamshedpur
* Dr. Kanhu Charan Bhuyan, CET Bhubaneswar
* Dr. Pankaj Kumar Sharma, NIT Rourkela
* Dr. Binod Prasad, ABV-IIITM Gwalior
* Dr. Abu Nasar Ghazali, KIIT University
* Dr. Debanjan Sadhya, ABV-IIITM Gwalior
* Dr. Sanjib Sharma, IIT BHU
* Dr. Jayashree Chakraborty, RF, M. Sloan KCC,NY
* Dr. Abhishek Middya, RF, M. Sloan KCC,NY
* Dr. Mrinal Sen, IIT (ISM), Dhanbad
* Dr. Foo Yee Loo, MMU, Malaysia
* Dr. Satyam Agarwal, IIT Ropar
* Dr. Rinku Rabidas, AU, Silchar
* Dr. Shanidul Hoque, MITS, AP

**Publication Committee Co-Chairs:**

* Dr. Brinda Bhowmcik (Shome), NIT Silchar
* Dr. R. G. Nair, NIT Silchar
* Dr. Prashantha J, NIT Silchar
* Dr. Devendra Gurjar, NIT SIlchar
* Mr. Anupal Deka, NIT Silchar

|  |  |
| --- | --- |
| The following are the Lead Tracks but not limited to:  **Track 1: 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 * Cognitive IoT * Cognitive Radio Networks * Device-to-Device (D2D) Communications * Social Network aware Wireless Network * 5G & beyond Communications * mm wave Communications * Cross-layer designs * Cognitive radio systems and networking * Spectrum Management * Distributed resource allocation and scheduling * Mobile ad-hoc networks * Modulation, Coding and Diversity * Multicarrier communication systems * Next generation networking and wireless systems Routing protocols and QoS scheduling * Cooperative communications * Underwater communications * Green telecommunications * Smart Grid Communications * Soft computing and its applications to Communications | **Track 2: Signal Processing**   * Image/Video/Multimedia Signal Processing * Audio/Speech/Spoken Language Processing * Digital and Multi-rate Signal Processing * Statistical signal Processing * Signal Processing Algorithms and Architectures * 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 * Geoscience and Remote sensing * Array signal Processing * Human-computer interfaces   **Track 3: RF Circuits 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   **Topics on AI ,ML/DL ,BigData relevant to theme of IEEE-Acts 2020 are also encouraged** |

**EDAS Link for submission of paper:**

**Important Dates**

* **Paper submission last date : 28.02.2020**
* **Acceptance notification : 01.04.2020**
* **Camera Ready Manuscript submission : 20.04.2020**