



IESC 2019

March 01 – 02, 2019

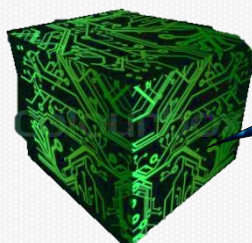


2nd International Conference on Innovations in Electronics, Signal Processing and Communication

Department of Electronics & Communication Engineering
National Institute of Technology Meghalaya

Bijni Complex, Laitumkhrah
Shillong - 793003, Meghalaya, India

www.iescnitm.org
www.nitmeghalaya.in



About National Institute of Technology (NIT) Meghalaya

NIT Meghalaya took birth in 2010 and started functioning from its temporary campus in Shillong in 2012. Its permanent campus is being set-up at Sohra (Cherapunjee). The campus will come up with state-of-the-art infrastructures and all the necessary modern amenities while maintaining harmony with the serene environment of Sohra. The aim is to build it a centre of excellence in education and research in the fields of engineering, science and technology. The vision is to develop it to be an institution vibrant with academic activities and bubbling with youthful creative energy.

About the Department

The Department of Electronics and Communication Engineering (ECE) was established in 2010. The department offers B. Tech, M. Tech and Ph.D programmes. The major objective of the Department is to impart high quality technical education and research with a strong foundation in Electronics and Communication Engineering. The faculty expertise of the department includes VLSI Systems, High Performance Computing, Signal Processing, Communications, RF & Microwaves Engineering and Microelectronics & MEMS.

About the Place

Shillong is the capital of Meghalaya. It is the headquarters of the East Khasi Hills district and is situated at an average altitude of 4,908 feet (1,496 m) above sea level, with the highest point being

Shillong Peak at 6,449 feet (1,966 m). Shillong is the 330th most populous city in India with population of 143,007 according to the 2011 census. It is said that the rolling hills around the town reminded the European settlers of Scotland. Hence, Shillong is known as "Scotland of the East."

Aim of the Conference

The aim of the conference is to provide a platform for academicians, researchers and engineers to disseminate and discuss their current research findings, recent development and future trends in the areas of Electronics, Signal processing and Communications. This conference encourages the dissemination of R&D linked to the Industry. The program schedule includes expert lectures, oral, poster and demo presentations.

Important Tracks

Microwave and Communication Engineering	Cognitive Radio Communication, Telecommunication Systems, Multimedia Communications, Networking Technologies, RF & Microwave Devices and Circuits, Antenna and Wave Propagation, Advanced Materials in Electromagnetism, Information Theory and Coding, Wireless Sensor Networks, Wireless and Mobile Communications, Optical Communications and Networking, Advanced Wireless Technologies, Wireless Power Transmission, Millimetre Wave Communications.
--	---

<p style="text-align: center;">Signal Processing</p>	<p>Image Processing and Computer Vision, Medical Image Processing, Pattern Recognition and Analysis, Multi-Resolution Analysis and Wavelets, 3D and Stereo Imaging, Soft Computing Paradigms, Brain/Neural Computer Interfaces, Hyper Spectral Image Processing, Array Signal Processing, Digital & Mobile Signal Processing, Statistical & Optical Signal Processing, Video Signal Processing, Radar Signal and Image Processing, Speech Processing.</p>
<p style="text-align: center;">Electronic Devices, Circuits and Systems</p>	<p>Mixed Signals Circuits, Analog & Digital VLSI, MEMS/NEMS Devices and Systems, SoC/NoC, RF Circuits & Systems, Low-Power/High Speed VLSI, Linear & Non-linear Circuits and Systems, Embedded Systems Architectures, Organic and Flexible Electronics, Electronics in Renewable Energy, CAD for VLSI, Biologically Inspired Circuits, Semiconductor Memories, Advanced Electronic Devices, Optical Amplifiers Lasers Sensors and Devices, Materials and Fabrication of Electronics Devices, Nanomaterials/Nanotechnology, Reconfigurable Computing, Device Modelling, Solid Fuel-Cell.</p>
<p style="text-align: center;">Soft Computing and Machine Learning</p>	<p>Advanced Intelligent Systems, Artificial Immune Systems, Artificial Intelligence, Computational Intelligence, Computer Vision Systems, Data Mining and Data Fusion, Decision Support Systems, Distributed Artificial Intelligence, Evaluation and Refinement of Intelligent Systems, Evolutionary Computation, Feature Extraction, Firefly Algorithm, Fuzzy Logic and Systems, Fuzzy Reconfigurable Systems, Genetic Algorithms, Intelligent Control, Machine Learning, Mechatronics, Modelling the Real World through Contexts, Multi-Agent Systems, Multimedia Mining, Natural Language Processing, Neural Networks, Neuro-Fuzzy Systems, Pattern Recognition.</p>

Paper Submission

Original, unpublished research papers are solicited from industrial and academic researchers on the topics listed in tracks and related areas. The submitted papers will undergo blind review process and presented papers will be included in IEEE *Xplore* (approval pending) and conference proceedings. Details about the template for paper shall be as per the IEEE format provided on the conference website.

It is mandatory for at least one of the authors to register and present the paper for inclusion in the conference proceedings/IEEE *Xplore*. The authors of accepted papers deemed to have transferred the copyright permission to NIT Meghalaya for publishing the paper.

Exhibition & Sponsorship

There is an opportunity for the sponsors to promote their product and services to the focused audience besides providing opportunity for networking with the stakeholders and utilities. As the exhibition is related to the theme of the conference and major Original***OEM, Integrators & Consultants can showcase the technologies, products and services. We invite stakeholders to make use of this opportunity in this event to enhance their business opportunities by way of sponsorship.

Details of Sponsorship & Privileges

Platinum Sponsor INR3, 00,000

- Display of company logo at the conference venue, website, invitation letter, proceedings and banners.
- One exhibition stall for display of products and services.
- Distribution of product brochure to delegates.
- Five complementary delegates for participation in the conference.
- Post-conference participants list.
- Complimentary exhibition booth staff passes 3 Nos.
- Display of Sponsor logo at lunch, tea & buffet areas.

Gold Sponsor INR1, 00,000

- Display of company logo at the conference venue,
- One exhibition stall for display of products and services.
- Two complementary delegates for participation in the conference.
- Post-conference participants list.
- Complimentary exhibition booth staff passes 2 Nos.

International Advisory Committee

- T M Brahim, Univ De Rennes, France
- M Fujita, University of Tokoyo, Japan
- K R Rao, UTA, USA
- K V S Hari, IISc Bangalore
- A Alphones, NTU, Singapore
- S Mohan, University of Arkansas, USA
- R Gangopadhyay, IIT Kharagpur
- N Nedjahjah, State University of Rio de Janeiro, Brazil
- P N Suganthan, NTU, Singapore
- B Mukherjee, University of California, USA
- A Pathak, IIIT, Noida
- A De, NIT Patna
- R Senani, NSIT, Delhi
- S K Pal, ISI, Kolkata
- B N Basu, IIT(BHU), Varanasi
- G Panda, IIT Bhubneshwar
- B Ray, IEST Shibpur
- A Maitra, University of Kolkata
- C P R Kumar, Texas Instruments
- B B Bhattacharya, ISI, Kolkata
- P Khanna, IIIT DM, Jabalpur
- A Keskar, VNIT Nagpur
- R Ghatak, NIT Durgapur
- P C Panchariya, CSIR-CEERI, Pilani

Technical Program Committee

- T K Bhattacharyya, IIT Kharagpur
- H K Sardana, CSIR-CSIO, Chandigarh
- R Bhattacharjee, IIT Guwahati
- Md Z Ali Khan, IIT Hyderabad
- R V Rajakumar, IIT Bhubaneswar
- P K Jain, IIT(BHU), Varanasi
- V Singh, IIT Bombay
- P Kumar, IIT Patna
- P P Sahu, Tezpur University
- S L Sabat, University of Hyderabad
- L J Singh, NEHU
- U D Dalal, SVNIT Surat
- K M Bhurchandi, VNIT Nagpur
- G K Mahanti, NIT Durgapur
- S P Singh, NSIT Delhi
- S Das, IEST Shibpur
- M Gupta, NSIT Delhi
- H Kar, MNIT Allahabad
- R P Yadav, MNIT Jaipur
- L Jacob, NIT Calicut
- G Saha, NEHU
- A Rajawat, NIT Bhopal
- D Singh, IIT Roorkee
- C B R Rao, NIT Warangal
- R K Sharma, NIT Kurukshetra
- A K Saxena, IIT Roorkee
- B Singh, NIT Kurukshetra
- A Goel, NIT Bhopal
- U Ghanekar, NIT Rourkela
- S Baishya, NIT Silchar
- S David, NIT Surathkal
- D Das, Assam University
- A Dutta, Mizoram University
- R Subedar, NEHU
- Faculty Members, NIT Meghalaya

Organizing Committee

Conference Patron	General Chair	Conveners	Organizing Chairs
Prof. B B Biswal Director, NIT Meghalaya	S C Dutta Roy IIT Delhi	Ch V Rama Rao Anup Dandapat	Prabir Kumar Saha Vinay Kumar
TPC Chairs	Publicity Chairs	Web Administrator	Finance Chair
P Rangababu A Sarkhel B Pushpa Devi	P K Rathore S Majumdar	S Majumdar	M Sonowal

Contact Details

Prabir Kumar Saha/ Vinay Kumar

National Institute of Technology Meghalaya

Bijni Complex, Laitumkhrah, Shillong-793003, India

Mob: +91-9485177005/+91-9485177017

Email: iesc@nitm.ac.in

Website: www.iescnitm.org, www.nitmeghalaya.in