# 2023 IEEE Silchar Subsection Conference
## IEEE SILCON-2023
(Hybrid Mode)

November 3-5, 2023

National Institute of Technology Silchar

## ABOUT THE CONFERENCE

IEEE SILCON is a flagship annual international conference of the IEEE Silchar Subsection. The IEEE SILCON conference series aims to gain significant interest among researchers, academicians, professionals, and students in the region, covering all the technical areas related to IEEE. The SILCON targets to offer a platform for research collaboration, networking, and presentation of recent research findings in the fields of Computer Science, Electrical Engineering, Electronics & Communication Engineering. IEEE SILCON 2023 is approved by IEEE with Conference Record #59133.

## STEERING COMMITTEES

### CHIEF PATRONS:
- Prof. Chun Che (Lance) Fung, Murdoch University Australia
- Prof. Debabrata Das, Chair, IEEE India Council

### PATRONS:
- Prof. Rajat Gupta, Director, NIT Silchar
- Prof. Iti Saha Misra, Chair, IEEE Kolkata Section

### GENERAL CHAIR:
- Prof. F. A. Talukdar, Chair, IEEE Silchar Subsection
- Prof. B. K. Roy, Chair-Elect, IEEE Silchar Subsection
- Dr. Taimoor Khan, Immediate Past Chair, IEEE Silchar Subsection

### ORGANIZING CHAIRS:
- Dr. Devendra Singh Gurjar, NIT Silchar
- Dr. Amritesh Kumar, NIT Silchar
- Dr. Malaya Dutta Borah, NIT Silchar
- Dr. Partha Pakray, NIT Silchar

### ORGANIZING SECRETARY:
- Dr. Asha Rani M. A., NIT Silchar
- Dr. Chaitali Koley, NIT Mizoram
- Dr. R.G. Nair, NIT Silchar
- Dr. Vipin Chandra Pal, NIT Silchar
- Dr. Kedar Nath Das, NIT Silchar

### PROGRAM CHAIRS:
- Prof. Shahin Ara Begum, Assam University
- Dr. Rinku Rabidas, Assam University
- Dr. P. Chinnamuthu, NIT Nagaland
- Dr. Arvind Kumar Jain, NIT Agartala
- Dr. Susanta Ray, Jadavpur University
- Dr. Jiwanjot Singh, NIT Silchar
- Dr. R. Murugan, NIT Silchar
- Mr. Saharul Alom Barlaskar, BVEC Karimganj

### FINANCE CHAIRS:
- Dr. Malaya Dutta Borah, NIT Silchar
- Dr. Vipin Chandra Pal, NIT Silchar

### PANEL COMMITTEE CHAIRS:
- Dr. Ujjal Chakraborty, NIT Silchar
- Prof. Ardhendu Saha, NIT Agartala
- Dr. Kundan Kumar, NIT Manipur
- Dr. Mahendra Shukla, LNMIIT Jaipur
- Dr. Tuhin Deshamukhya, BVEC Karimganj

## PUBLICATION CHAIRS:
- Prof. Saurabh Chaudhury, NIT Silchar
- Dr. Dulal Das, NIT Silchar
- Dr. Koushik Guha, ECE Dept, NIT Silchar
- Dr. Prabina Pattanayak, NIT Silchar
- Dr. G. S. Baghel, NIT Silchar

## PUBLICITY COMMITTEE CHAIRS:
- Dr. Nasimuddin, A-STAR, Singapore
- Dr. Ajay K. Poddar, Synergy Microwave, USA
- Dr. Anisha Apte, Chair, IEEE AP-S COPE
- Dr. Ajay Bhardwaj, SRM University, Amravati
- Dr. Manish Mandloi, NMIMS, Shirpur
- Dr. Vinay Bankey, NIT Rourkela
- Dr. Sourabh Solanki, Luxembourg University
- Prof. Themrichon Tuithung, NIT Nagaland
- Dr. Naorem Khelchand Singh, NIT Nagaland
- Dr. Rinku Rabidas, Assam University, Silchar

## WEBSITE COMMITTEE CHAIRS:
- Dr. Partha Pakray, NIT Silchar
- Dr. Devendra Singh Gurjar, NIT Silchar

## IEEE WOMEN IN ENGINEERING COMMITTEE CHAIRS:
- Prof. Themrichon Tuithung, NIT Nagaland
- Dr. Munmun Khanra, EIE Dept, NIT Silchar
- Dr. Malaya Dutta Borah, CSE Dept, NIT Silchar
- Dr. Koena Mukherjee, EIE Dept, NIT Silchar

## INDUSTRY COOPERATION CHAIRS:
- Dr. Ajay K. Poddar, Senior Scientist, Synergy Microwave Corporation, New Jersey, USA
- Dr. Sudhakar Rao, Technical Fellow at Northrop Grumman Aerospace Systems, California
- Mr. Jitesh Choudhury, CDAC Silchar

## STUDENT TRAVEL GRANT CHAIR:
- Prof. K. L. Baishnab, NIT Silchar
- Prof. S. H. Laskar, NIT Silchar
- Dr. T. R. Lenka, NIT Silchar
- Dr. S. Sahoo, NIT Silchar

## TECHNICAL TRACKS
TRACK 1: COMMUNICATION AND NETWORKING
TRACK 2: SIGNAL PROCESSING
TRACK 3: RF, MICROWAVE AND MMWAVE
TRACK 4: MICRO/NANOELECTRONICS DEVICES AND CIRCUITS
TRACK 5: ARTIFICIAL INTELLIGENCE, DATA SCIENCE AND COMPUTING
TRACK 6: SOFTWARE ENGINEERING
TRACK 7: POWER SYSTEM AND SMART GRID
TRACK 8: POWER ELECTRONICS AND DRIVES
TRACK 9: CONTROL AND INSTRUMENTATION
TRACK 10: HUMANITARIAN TECHNOLOGY & ENGINEERING EDUCATION

## CALL FOR PAPERS

Authors can submit regular (max 6 pages) research papers that contain original material which is not currently communicated in other conference or journal and has not been previously published. This 3-day event includes several keynote speeches by distinguished speakers from academia, industry and government sectors; panels and forums; technical sessions featuring technical papers extensively reviewed by peers; workshops focusing on the latest trends in various technology; tutorials delivered by experts in respective disciplines; exhibits; an awards luncheon; and a relaxing and entertaining banquet. Also, there will be dedicated sessions on industry collaborations with academia and Women in Engineering (WIE). After peer review, all accepted and presented papers of IEEE SILCON-2023, will be submitted to IEEE Xplore for their inclusion and other major indexing. There will be a few workshops co-located with the conference. Proposals to organize workshops in-line with the theme and main conference are also encouraged. In addition, those interested in the conference are also encouraged to submit proposals for tutorials and PhD Forum.

## ABOUT NIT SILCHAR

National Institute of Technology (NIT) Silchar, an institute of national importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of NIT from REC. The landscape of NIT Silchar is beautiful with natural lakes and hillocks, surrounded by tea gardens. NIT Silchar is a fully residential institution with nine hostels for boys and three hostels for girls. NIT Silchar was ranked 38th among all engineering colleges in India by the National Institutional Ranking Framework (NIRF) in 2022 and the Times Higher Education World University Ranking ranked National Institute of Technology Silchar 601-800 in 2022 rankings.

## IMPORTANT DATES

Paper Submission Starts: April 5, 2023

Paper Submission Deadline: June 15, 2023

Paper Decision: September 1, 2023

Final Paper Submission: October 1, 2023

Registration Deadline: October 1, 2023

## IEEE SILICON -2023 WEBSITE LINK

http://ieeesilcon.org.in/

## LINK FOR PAPER SUBMISSION

https://cmt3.research.microsoft.com/IEEESILCON2023

## LINK FOR IEEE SILCON-2022 PROCEEDINGS

https://ieeexplore.ieee.org/xpl/conhome/10028779/proceeding

## CONTACT DETAILS

Office of IEEE Silchar Subsection
Electronics and Communication Engineering
National Institute of Technology Silchar
Email: ieeesilcon2023@gmail.com