



GCON is a flagship international biennial conference of the IEEE Guwahati Subsection. The second edition of the conference GCON 2025 is scheduled to be held during June 18-20, 2025 at North Eastern Regional Institute of Science and Technology (NERIST), Arunachal Pradesh. The first edition of the conference GCON 2023 was held at IIT Guwahati. The conference aims to provide a unique platform for academicians, researchers, industry professionals and research scholars to present their research work, exchange ideas and connect with each other. Prospective authors are invited to submit their papers to the conference, the scope of which includes, but is not limited to:

- AI, DATA SCIENCE, ALLIED AREAS AND APPLICATIONS
- COMMUNICATIONS, NETWORKS, IOT, GREEN AND RENEWABLE TECHNOLOGY, METAMATERIALS AND METASURFACES
- SIGNAL PROCESSING AND MULTIMEDIA
- VLSI, NANOTECHNOLOGY, CIRCUITS AND SYSTEMS, COMPUTER ARCHITECTURE AND EMBEDDED SYSTEMS
- CONTROL SYSTEM, POWER AND ENERGY, POWER ELECTRONICS
- CRYPTOGRAPHY, SECURITY AND PRIVACY

#### SUBMISSION GUIDELINES

Please submit your full paper with six pages in double-column IEEE Conference Proceedings Template via the submission website. Please exclude author information during submission for review. Detailed information and relevant guidelines can be found at <https://gcon2025.in/call-for-papers-new>

Latex Template: [Templates](#)

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#### REVIEW PROCESS

Papers will be reviewed in double blind manner. Please exclude author information during submission for review. Upon acceptance, include author information in the camera-ready submission.

#### PUBLICATION

Conference proceedings of accepted papers will be included in IEEE Xplore (Conference #65540).

#### ABOUT ITANAGAR

Itanagar, the capital of Arunachal Pradesh, is nestled in the foothills of the Eastern Himalayas, providing a picturesque backdrop of rolling hills, verdant valleys, and serene rivers. Located at an elevation of around 750 meters, it is a scenic and culturally rich city that reflects the diversity and natural beauty of the region. An important tourist destination is the Jawaharlal Nehru State Museum in Itanagar itself which showcases aspects of the multi-faced colourful way of life in Arunachal Pradesh. Around Itanagar, several captivating destinations offer a blend of natural beauty and cultural richness. Just 115 km away lies Ziro Valley, a UNESCO World Heritage tentative site known for its picturesque landscapes, lush paddy fields, and the unique culture of the Apatani tribe. About 300 km away from Itanagar is the Dirang hill station which offers a salubrious climate apart from its varied attractions such as scenic valleys, fruit orchids, migrating birds, pristine rivers and enchanting views of the rolling hills covered in trees. Pasighat, the "Gateway to Arunachal Pradesh," is 260 km away from Itanagar. There, one can explore the Daying Ering Wildlife Sanctuary which is a biodiversity hotspot and adventurous river rafting on the mighty Siang River. These places represent a picture of the natural and cultural beauty of the region surrounding Itanagar.



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#### ABOUT IEEE GUWAHATI SUBSECTION

The IEEE Guwahati subsection comes under the IEEE Kolkata Section. The Guwahati subsection members are spread across various sectors consisting of Students, Faculties, Industry professionals, and Research organizations. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

#### ABOUT NERIST

North Eastern Regional Institute of Science and Technology (NERIST) is a science and technology oriented higher education institute in Nirjuli, Itanagar, in the Indian state of Arunachal Pradesh. Established in 1984, it is a deemed-to-be-university, autonomous, fully funded and controlled by the Ministry of Education, Government of India.

The institute is powered by a well-balanced mix of: a) 6 Engineering departments (Agriculture, Civil, Mechanical, Computer Science, Electrical, Electronics and Communication), b) 5 Science departments (Forestry, Physics, Chemistry, Mathematics, Humanities), and c) a center for Management Studies.

Students for the UG programmes are drawn mainly from the eight North Eastern States of India viz., Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. However, a fraction of them are also from the rest of the Indian states. PG programmes are open to any interested candidate from anywhere in India. In 2005, NERIST received the Deemed-to-be-university status and the PhD program started.

NERIST faculty have been actively involved in implementing sponsored research and consultancy projects which are supported by various agencies. The funding agencies include CSIR, MHRD, MOEF, MoWR, DST, AICTE, ICAR, DBT, MOEF – GB Pant NMHS-GBPNIHESD, SERB, ITRA (MeiTy), SAC (ISRO), Coconut Development Board, ICSSR, NECTAR, IBITF and NEC.

#### IMPORTANT DATES

Paper Submission Begins: October 21, 2024

Paper Submission Ends: February 15 February 28, 2025 (Hard Deadline)

Paper Acceptance Notification: March 15, 2025

Registration Opens: March 16, 2025

Registration/Camera-ready

Paper Submission Closes: April 15, 2025

#### CONTACT US

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