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Fourth International Conference on Power, Control and Computing Technologies, (ICPC²T –2025)

20th – 22nd January, 2025

ICPC²T -2025 will be a “Hybrid” conference



Organized by

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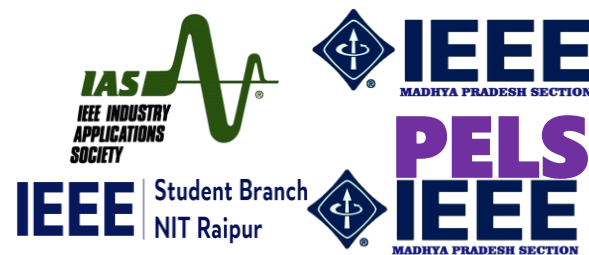
Web: icpc2t.nitr.ac.in | email-id: icpc2t-2025@nitr.ac.in

About the Institution

National Institute of Technology Raipur (Formerly Government Engineering College Raipur), situated in the capital of a newly Incepted state of Chhattisgarh, has proven to be “avant-grade” in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our President Hon'ble Dr. Rajendra Prasad on 14th September 1956, the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. The institution has grown in tandem with the major surrounding industries – The Bhilai Steel Plant, SECL BALCO and NTPC Korba. It currently offers 12 Undergraduate and 6 Postgraduate courses including MCA and M.Tech in Applied Geology.

About the Conference

ICPC²T is organized by National Institute of Technology Raipur and technically co-sponsored by IEEE Madhya Pradesh Section, IEEE Student Section NIT Raipur, IES Chapter IEEE MP Section PELS Chapter IEEE MP Section and IEEE IAS society. ICPC²T will give a chance to the students, academicians, researchers, scientists and practicing engineers to have a platform for potential knowledge exchange on recent trends, theories and practices of Power Systems, Power Electronics, Machine Drives, Control Systems and Computational Technologies. Particularly, emphasis will be placed on promotion of new and renewable sources of power, Smart Grid and related cyber-physical systems. Applications of data analytics to power systems, such as demand response and demand side management will be considered. Finally, the innovative use of artificial intelligence, machine learning and deep learning and data visualization approaches for the power management in a variety of contexts including efficient network management, improved situational awareness and anomaly detection will be of interest. ICPC²T features invited talks and Keynote address from eminent professors/scientists from across the world, pre-conference workshops/tutorials from active engineers and technical paper presentation of the participants from different parts of the world.



Conference Tracks/Topics

Papers are invited in the following areas of interest, but not limited to:

- Power Systems
- Power Quality
- Energy Conservation and Management
- Green Technology
- Renewable Energy
- Smart Grid
- Cyber Security for Electrical Systems
- High Voltage Technologies
- HVDC and FACTS Devices
- Power Electronics and Drives
- Electric Transportation Systems
- Instrumentation and Control
- Process Control and Automation
- Signal and Image Processing Techniques
- Cyber Physical Systems for Electrical Systems
- Internet of Things
- Data Mining
- Cloud Computing
- Data Analytics
- Artificial Intelligence and Machine Learning for electrical systems
- Optimization Techniques for Electrical Systems
- Deep Learning for Electrical Systems
- Control Engineering
- Sensors,
- Optoelectronic
- Photonic Sensors

Submission Types

- Research articles
- Review articles*

*Review articles which include critical evaluation of existing studies, research gaps and future steps in scope of conference will only be considered.

INSTRUCTION TO THE PARTICIPANTS

- For paper submission authors are required to visit the ICPC²T 2025 website <http://icpc2t.nitr.ac.in>
- The sample paper template is made available on the conference website in **Download** menu.
- The number of pages in the paper should not exceed **six**. Papers submitted in the format other than IEEE will not be considered for the conference.

- The authors of the accepted papers will be invited for an oral presentation in the conference. All the registered and presented papers in the conference will only be submitted to IEEE for their inclusion into IEEE Xplore which is scopus indexed. Registration of at least one author is compulsory for each paper.
- Details of the online and offline mode of presentation will be made available in the ICPC²T 2025 conference website as and when applicable.

Important Dates

Paper Submission starts	:	30 th June, 2024
Deadline for Paper Submission	:	30 th August, 2024
Acceptance Notification	:	31 st October, 2024
Camera Ready Paper Submission	:	15 th November, 2024
Registration Deadline	:	30 th November, 2024
Venue	:	Department of Electrical Engineering, National Institute of Technology, Raipur, India

Submission Information Link : <http://icpc2t.nitr.ac.in>

Website : <http://icpc2t.nitr.ac.in>
Email-id : icpc2t-2025@nitr.ac.in

Registration Process

Interested participants shall pay the registration fee mentioned in the website directly to the bank account. Candidate shall send the filled in workshop registration form along with the payment proof to icpc2t-2025@nitr.ac.in on or before 30/11/2024. Registration form and payment details are available in the website (<http://icpc2t.nitr.ac.in>)

Publications Opportunities

- ❖ Based on the recommendations of the reviewer(s) the selected full-length articles may be published in SCI/SCIE indexed journals
- ❖ The paper will be published in ieeexplore.com.
- ❖ Publication charges from publisher's end (if any) are to be borne by the authors.

Previous conference proceeding links

- ICPC2T 2020: <https://ieeexplore.ieee.org/xpl/conhome/9051868/proceeding>
- ICPC2T 2022: <https://ieeexplore.ieee.org/xpl/conhome/9776593/proceeding>
- ICPC2T 2024: <https://ieeexplore.ieee.org/xpl/conhome/10474598/proceeding>

