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Second International Conference on Power, Control and Computing Technologies, (ICPC²T –2021)

1st & 2nd March, 2022

ICPC²T -2021 will be a “Virtual” conference
using web-based online presentation



Organized by

Department of Electrical Engineering
National Institute of Technology Raipur
G.E. Road, Raipur, Chhattisgarh-492010
Website: www.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-2021 is organized by National Institute of Technology, Raipur and is co-sponsored technically by IEEE Industry Applications Society (IAS), IEEE Bombay Section, IEEE Student Section, NIT-Raipur. Theme of the conference is power, control and soft computing technologies. Also, the presented papers will be eligible for further review to be published in the IEEE Transaction on Industry Applications or IEEE IAS Magazine. 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 in Power which includes both renewable and non-renewables sources, their control systems and soft skill computational technologies like ML, deep learning, AI etc. Particularly, emphasis will be placed on promotion of new and renewable power sources, EVs, smart city, 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 EVs, smart grid, smart city etc. will be of interest. ICPC²T may also feature invited talks and Keynote addresses from eminent professors/scientists from across the world, pre-conference workshops/tutorials from active engineers and technical paper presentations 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*
- *Green Technology*
- *Renewable Energy*
- *Smart Grid*
- *Cyber Security*
- *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*
- *Internet of Things*
- *Data Mining*
- *Cloud Computing*
- *Data Analytics*
- *Artificial Intelligence and Machine Learning*
- *Optimization Techniques*
- *Deep Learning*
- *Control Engineering*

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 2021 website 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 (virtual mode) 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.
- The presented papers will be eligible for further review to be published in the **IEEE Transaction on Industry Applications or IEEE IAS Magazine**.
- Details of the Online mode of presentation will be made available in the ICPC²T 2021 conference website as and when applicable.

Important dates

Paper Submission	:	30 th July 2021
Deadline for Paper Submission	:	30 th September, 2021
Acceptance Notification	:	30 th November 2021
Camera Ready Paper Submission	:	25 th December 2021
Registration Deadline	:	15 th January 2022
Venue	:	Department of Electrical Engineering, National Institute of Technology, Raipur, India
Submission Information Website	:	Through CMT3. Microsoft icpc2t.nitr.ac.in

Registration process

Interested participants shall pay the registration fee directly to the bank account. Candidate shall send the filled in workshop registration form along with the payment proof to icpc2t@nitr.ac.in on or before 15/01/2022. Registration form and payment details are available in the website

Registration Fees (Excluding GST *)

Category (Author)	IEEE members		Non-IEEE members	
	INR (GST excluded)	USD (GST excluded)	INR (GST excluded)	USD (GST excluded)
Student/Research Scholar	4500/-	\$75	5500/-	\$85
Academician	5500/-	\$100	6500/-	\$110
Industry	6000/-	\$110	7000/-	\$125

- **Good and Service Tax (GST) will be applied as per Government Directives**
- Mode of payment:** On line transaction
- **To the account of Director - Account No.: 38027633250, IFSC: SBIN002852, SBI, Raipur).**

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.

• **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 and the eligible papers further review to be published in the IEEE Transaction on Industry Applications or IEEE IAS Magazine.**

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