

About the Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering Institutes & Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification.

For details, please visit www.ieindia.org

About the IE(I) CLC

The IEI, Coimbatore Local Centre was founded in the year of 1965, under the Chairmanship of Dr G R Damodaran, an educationist, who is also the architect of PSG College of Technology.

Over the past 57 years the IEI Coimbatore Local Centre has contributed a lot to the engineering community and to the society.

About NGP ITech

Dr. N.G.P. Institute of Technology established in the year 2007 is located in Coimbatore, Tamil Nadu. It is run by Kovai Medical Center Research and Educational Trust, Coimbatore. The Chairman Dr. Nalla G. Palaniswami and Secretary Dr. Thavamani D.Palaniswami are basically medical practitioners by profession, started this Institution with the vision of imparting quality technical education. The Institute is approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai. It is also recognized by UGC under Section 2(f) and 12(B), accredited by NAAC with A+ (3.36 out of 4) and eligible programmes are accredited by NBA (BME, CSE, ECE, EEE and MECH). The Institute offers 8 UG Programmes in BE - BME, CSE, Civil, ECE, EEE and Mechanical and B.Tech - IT and AIDS. It also offers 5 PG Programmes namely ME - Engg., Design, Computer Science and Engg., Embedded Systems Technologies, Power Electronics and Drives along with MBA. The Departments of CSE, ECE, EEE and MECH Engg. are Recognized Research Centres of Anna University, Chennai. The students are passionately mentored by 183 faculty members out of which 68 faculty members are holding their Ph.D Degree and 69 are pursuing their Ph.D. The Institute is located within a serene green campus and has well planned infrastructure. The institute also established center for e-learning, TLC and digital library to enrich teaching-learning process. Through AICTE funded IIP, the Institute established industry powered centers like Center for Robotics e-Yantra, Texas Instruments Center, NI LabVIEW Academy, etc., to train the students on emerging technologies.

About the Department

The Dept. of EEE was established during the inception of the institute in 2007. It strives for excellence in the core field of Electrical and Electronics Engineering. It provides an international ambience in a local setting with innovative and engaging teaching methods,

workshops, lecture series, industry institute interaction, seminars by eminent speakers, virtual industry tour and research activities. It offers a comprehensive array of courses that encompass the undergraduate, postgraduate and Doctoral levels with an objective of imparting quality education and research whilst leading on the innovation curve. Apart from teaching, every faculty member is involving in publishing and presenting papers in the National and International journals and conferences. The department has received a total grant of about 31.45 lakhs from various funding agencies like ISRO, AICTE, TNSCST, IE(I), DST (SERB) and CSIR for various technical events. MoUs are signed with the renowned Industries to bridge the gap between industry & Academia.

Theme of the Seminar

Power electronics has emerged as a critical enabler in the deployment of next-generation systems such as transportation systems, motor drives, robotics, renewable energies, smart grids, and data centers. The demands for higher efficiency, increased reliability, higher power density, specific power, and improved thermal management pose difficult challenges for power electronic converters to meet. This seminar will present some of the emerging research areas, with a focus on more-electric aircrafts (MEA) and next-generation onboard chargers for electric vehicles. This seminar will also cover a new direction in multi-objective optimization and reliability assessment for power electronic systems.

Sub -Theme of the Seminar

- To provides the quality enhancements for Digital India towards the next generation power electronic systems.
- To design and analyze the Multi-port converters.
- To analyze integrated bidirectional onboard charger design for electric vehicle technologies. Also discuss the optimization methods.

Important Dates:

Last date of Registration : 03.04.2023

Intimation / Confirmation: 07.04.2023

*** Pre-registration is mandatory, no spot registration.**

The Institution of Engineers (India)

"A Century of Service to the Nation"

All India Seminar

on

"A New Design Philosophy for Next Generation Power Electronics Systems"

on

12.04.2023 & 13.04.2023



organized by

The Institution of Engineers (India)

Coimbatore Local Centre

Under the aegis of

**Electrical Engineering Divisional Board,
IE(I)**

in association with



**Department of Electrical and Electronics
Engineering**

Dr.N.G.P Institute of Technology

(An Autonomous Institution)

Coimbatore - 641 048

**Venue: East Seminar Hall, A-Block,
Dept. of Electrical and Electronics Engg.,
Dr.N.G.P Institute of Technology
Coimbatore - 641 048**

The Institution of Engineers (India)

"A Century of Service to the Nation"

All India Seminar on

"A New Design Philosophy for Next Generation Power Electronics Systems"

organized by

The Institution of Engineers (India)

Coimbatore Local Centre

Under the aegis of

Electrical Engineering Division Board, IE(I)

in association with

Department of Electrical and Electronics Engg..

Dr.N.G.P. Institute of Technology

(An Autonomous Institution)

Coimbatore - 641048

Registration Form

Name (in Block Letters):

Date of birth & Age:

Qualification:

Experience :

Designation & Dept.:

Organization:

Address for Communication:

If IE(I) Member, Write your membership number:

Mobile No.:

WhatsApp No:

Email Id:

Payment Details

Mode of Payment (✓): DD/Net banking/UPI/others

If others, Please specify:

Date of Payment:

Amount: Rs.

DD No / Transaction ID / Ref. No:

Bank Name and Branch :

Date:

Place:

Signature

Resource Persons:

Expert members from R&D Sectors, Industries and Various Leading Academic Institutions

Eligibility:

UG Students, PG Scholars, Faculty Members, Research Scholars and Practicing Engineers.

How to Apply:

Registration for the seminar can be made by sending the duly filled application through email or by filling the registration link on or before **05/04/2023**.

Registration Link:

<https://forms.gle/fnu5gJAPLNWBnQn46>

Registration Fee:

	₹
IEI Members	400.00
UG / PG / Research Scholars	400.00
Faculty Members	600.00
Participants from Industry	800.00

Payment:

All payments are to be made through crossed Demand Draft / At par Cheque, drawn in favour of "The Institution of Engineers (India), Coimbatore Local Centre" payable at Coimbatore or online payment.

For Online Transfer:

Name: **The Institution of Engineers (India)**

Coimbatore Local Centre, SBI, Peelamedu

Coimbatore 641004

A/C No: **10141435551**

IFSC Code: **SBIN0007231**

Note:

- Limited participants only.
- No TA / DA will be paid.
- Kindly bring your College/Industry Identity Card.
- Registration through email is compulsory.
- Registration fee includes: Refreshments, Lunch & Participation certificate.

National Advisory Committee:

Chairman: Er C Debnath, President, IEI

Co - Chairman:

Prof (Dr) Sudhir Kumar Calla, Chairman, ELDB

Members:

Er Mahendra Ratanlal Kothari, Vice President

Er A Sekar

Er Ashwani Kumar Sharma

Er B S Prabhakara

Er Bhupendra Nath Singh

Er Dharm Chandra

Er K K Gopalakrishnan Nair

Prof (Dr) M Jayaraju

Er Milind Anant Pathak

Er R R Tanwar

Dr S Dharmalingam

Dr Subhadeep Bhattacharjee

Er S R Saravanan

Er Wangkheimayum Homendro Singh

Chief Patrons:

Dr Nalla G Palaniswami

Chairman, Dr. N.G.P. Institute of Technology

Dr Thavamani D Palaniswami

Secretary, Dr. N.G.P. Institute of Technology

Patrons:

Dr O T Buvaeswaran

Chief Executive Officer

Dr. N.G.P. Institute of Technology

Dr S U Prabha

Principal, Dr. N.G.P. Institute of Technology

Dr S Jaganathan

Professor & Head, Department of EEE

Dr. N.G.P. Institute of Technology

Convener

Dr N R Govithasamy

Assistant Professor, Department of EEE

Dr. N.G.P. Institute of Technology

Organizing Committee:

Organizing Chairman:

Dr S Shanmugam FIE

Chairman, IE(I)

Coimbatore Local Centre

Organizing Secretary:

Dr J Krishnamoorthi FIE

Honorary Secretary, IE(I), Coimbatore Local Centre

Members:

Dr K Ramash Kumar

Professor, Department of EEE

Dr. N.G.P. Institute of Technology

Technical Committee:

Chairman:

Dr C Vivekanandan, Prof., EEE, Dr.NGPIT

Members :

Dr V Ranganayaki, Associate Professor

Dr A Senthilnathan

Mr J Sathish

Mr R B Selvakumar

Mr E Kannapiran

Mr R Balakrishnan

Dr N R Govithasamy

Mr K Bharanidharan

Mr S S Karthikeyan

Mr S Gobhinath

Ms K Janani

Assistant Professor (s), Department of EEE

Dr. N.G.P. Institute of Technology

For further details, please contact:

Honorary Secretary

The Institution of Engineers (India)

Coimbatore Local Centre

PSG College of Technology Campus

Peelamedu, Coimbatore - 641 004

Phone: 0422 - 2580733

Email: coimbatorelc@ieindia.org

Dr K Ramash Kumar

Professor, Department of EEE

Dr. N.G.P. Institute of Technology

E-mail: ramashkumar@drngpit.ac.in

Mobile: +918072262692

Registration Link:

<https://forms.gle/fnu5gJAPLNWBnQn46>

