



SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ORGANIZES

4th INTERNATIONAL CONFERENCE ON POWER AND EMBEDDED DRIVE CONTROL (HYBRID MODE)

ICPEDC 2023

January 24 -25, 2023

IMPORTANT DATES

Paper Submission Deadline	December 15, 2022
Paper Acceptance Notification	January 07, 2023
Submission of Final Paper	January 10, 2023
Last Date for Conference Registration	January 15, 2023
Conference Date	January 24-25, 2023.

CONTACT

CONVENER - ICPEDC - 2023

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Paper Submission Link:

<https://forms.gle/jQc6CLTgJE3nL6LN6>

ABOUT THE COLLEGE

Sri Sivasubramaniya Nadar (SSN) College of Engineering is the outcome of the vision and initiative of Padma Bhushan Dr. Shiv Nadar, Chairman of HCL Technologies Ltd., Established in 1996 on a sprawling campus of 250 acres on the Rajiv Gandhi Salai (OMR). The Institution offers eight B.E./B.Tech. degree programs and eleven M.E./ M.Tech. degree programs in addition to the MBA program. This ISO 9001:2008 certified Institution has been accredited by NAAC with an 'A++' Grade and all eligible programs have been accredited by NBA for 5 years. SSN College of Engineering has been granted the status of an Autonomous institution by the University Grants Commission, MHRD. The college is ranked 48th in Engineering Category in India Rankings 2022 listed by NIRF, and MHRD. The institution has consistently stood top among engineering colleges affiliated to Anna University, Chennai. SSN ranked 7th among the best private engineering colleges in India in Edu Rand Awards, 2015. In the DQ-CMR survey, SSN ranks 24th among all engineering colleges in India. SSN received Asia's Best Private Education Institute Award for the year 2012-13 from World Consulting and Research Corporation (WCRC) processed and evaluated by KPMG, "Top Institute of India Award" for the years 2010 & 2012 instituted by Competition Success Review (CSR), New Delhi and "Bharatiya Vidya Bhavan National Award" for an Engineering College having the Best Overall Performance for the year 2006 from ISTE. The management awards over 600 scholarships worth Rs.4.3 crore yearly to meritorious and deserving students. The college has Wi-Fi connectivity, e-learning-enabled classrooms and state-of-the-art laboratories with software.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering offers NBA accredited B.E. degree program in Electrical and Electronics Engineering and M.E. degree program in Power Electronics and Drives. The Department has 27 qualified faculty members with PhD. The department is recognized as an approved research centre by Anna University for pursuing a PhD / M.S (Research) program. The department has 65 research scholars pursuing a PhD / M.S (Research) program under 24 recognised supervisors. The broad area of research includes Power Systems, Power Electronics & Drives, Special Electrical Machines, Control & Dynamics, Renewable Energy Systems, High Voltage Engineering and Optimization techniques. The department is equipped with state-of-the-art laboratories like Advanced Power Electronics lab, Solar Energy Research Lab, High Voltage Lab and System Simulation Lab with licensed software like MATLAB, MagNet, LabVIEW, PSpice, PSIM, PSCAD, Mipower, EMTP, etc. The department faculties have publications in referred impact factor journals and International / National conference proceedings. The department has signed MoU with M/s. Danfoss Industries, M/s. Hibrise Technologies has taken up research projects funded by AICTE, MNRE and NIWE. The Department has organized nine International Conferences, six National Conferences, seven Faculty Development Programs sponsored by Anna University, three Short-Term Training Programs sponsored by AICTE, ISTE and many Workshops.

SCOPE OF THE CONFERENCE

The 4th International Conference on Power and Embedded Drive Control (ICPEDC - 2023) is the premier interdisciplinary platform for all researchers, professionals, and engineers from all over the world. The main objectives of ICPEDC - 2023 are to discuss the latest developments and research results in all aspects of the design, modelling, and application of devices, circuits and systems related to power and embedded drive control. The conference brings academicians, manufacturers, scientists, researchers from industries and students to exchange their research findings and address recent technologies. We sincerely hope that ICPEDC - 2023 serves as a global platform for researchers, widens professional contacts and creates new opportunities, including new collaborations.

CALL FOR PAPERS

Technical papers are solicited on the topics pertaining to the scope of the Conference will include, but are not limited to:

- ❖ Linear machines and Levitation control
- ❖ Micro-Electromechanical Systems
- ❖ Modelling and Simulation of electrical systems
- ❖ PLC and SCADA
- ❖ Power electronics systems and Applications
- ❖ Power line communications
- ❖ Power Quality
- ❖ Power System Modeling and optimisation
- ❖ Power System Stability and Control
- ❖ Sensors and Systems
- ❖ Smart & Micro Grids
- ❖ Switchgear and Protection
- ❖ Systems Identification and Selection
- ❖ Cyber Security in Modern Power Systems
- ❖ Distribution System Planning and management
- ❖ Electrical Machines and Adjustable Speed Drives
- ❖ Electrical Traction Systems and Control
- ❖ Embedded Control of Converters and Drives
- ❖ EMI and EMC issues in Power Electronic System Design
- ❖ Energy storage technologies and systems
- ❖ FACTS Devices - Applications in Power System
- ❖ Green and Renewable Energy Technology
- ❖ Hybrid Electric Vehicle System
- ❖ Industrial Electronics and Automation Robotics
- ❖ Intelligent Controllers for Industrial Applications
- ❖ IoT Systems and Networks

Abstracts of all the registered and presented papers will be published in conference proceedings, Submission of Papers shall be through the link <https://forms.gle/jOc6CLTgJE3nL6LN6>.

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REGISTRATION

Registration fees can be paid only after the notification of acceptance of the paper. At least one author from each accepted paper must register on or before January 05, 2023. The registration fees are as follows:

Category	National (INR)	International (USD)
Academics	1000	50
Industry	2000	100

The cost of registration includes participation in all the activities of the conference, E-certificate and publication in conference proceedings.

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