

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY), Kalavakkam 603110

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ORGANIZES

**6TH INTERNATIONAL CONFERENCE ON POWER AND EMBEDDED DRIVE CONTROL – 2025
(ICPEDC – 2025)**

February 27 - 28, 2025

Publications in the Springer Lecture Notes in Electrical Engineering – Awaiting Approval

ABOUT THE COLLEGE

Sri Sivasubramaniya Nadar College of Engineering (SSNCE), founded by Padma Bhushan Dr. Shiv Nadar, Chairman, HCL Technologies, stands out as a premier center of higher learning with a mission of pursuing excellence in education and research. The institution, with its diverse and dynamic community of students offers a distinctive combination of some of the finest graduate, undergraduate and research programs, accomplished faculty, world class facilities and a residential campus set on a sprawling 230 acres of sylvan surroundings. SSNCE is a home to aesthetically designed buildings with state-of-the-art computer and internet facilities, modern workshops, seminar halls, auditoriums and well stocked libraries, sports, and games fields in addition to an indoor stadium with gymnasium. SSNCE has faculty strength of 253 with a faculty student ratio of 1 faculty for every 15 students. SSNCE has been ranked 46th among all the engineering colleges in the country and 81st among all the educational institutions in the NIRF 2024 rankings under Engineering, instituted by the MHRD, Government of India. SSN College of Engineering is selected as one of the winners of the Clarivate India Research Excellence - Citation Awards 2023 (powered by Web of Science). 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 28 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 66 research scholars pursuing a PhD / M.S (Research) program under 24 recognized 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 completed worth of Rs. 2.73 crores external funded projects and having ongoing projects worth of Rs. 1.69 crores funded by DST, AICTE, MNRE and NIWE, etc. Also, the department faculties have consultancy projects worth of Rs. 50.43 lakhs. The department has signed MoU with M/s. Danfoss Industries, M/s. Hibrise Technologies, etc.



SCOPE OF THE CONFERENCE

The 6th International Conference on Power and Embedded Drive Control (ICPEDC - 2025) is the premier interdisciplinary platform for all researchers, professionals, and engineers from all over the world. The main objectives of ICPEDC - 2025 are to discuss the latest developments and research results in all aspects of the design, modelling, application of devices, circuits and systems related to power and embedded drive control. The conference brings together academicians, manufacturers, scientists, researchers from industries and students to exchange their research results and address the recent technologies. We sincerely hope that ICPEDC - 2025 serves as a global platform for researchers, widens professional contacts and creates new opportunities, including establishing 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

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

It is planned to publish the peer reviewed and selected papers of conference as proceedings with Springer in their prestigious “Lecture Notes in Electrical Engineering” series after getting approval from Springers. Abstract of all the registered and presented papers will be published in conference proceedings.

Submission of Papers shall be through the link: <https://cmt3.research.microsoft.com/ICPEDC2025>

IMPORTANT DATES

PAPER SUBMISSION DEADLINE	DECEMBER 24, 2024
PAPER ACCEPTANCE NOTIFICATION	JANUARY 25, 2025
LAST DATE FOR REGISTRATION	FEBRUARY 05, 2025
SUBMISSION OF FINAL CAMERA-READY PAPER	FEBRUARY 05, 2025
CONFERENCE DATES	FEBRUARY 27-28, 2025

REGISTRATION

Registration fees can be paid only after the notifications of acceptance of the paper. At least one author from each accepted paper must register on or before FEBRUARY 05, 2025. The registration fees are as follows:

Category	National (INR)	International (USD)
Student	4000 + 18% GST	70
Faculty	5000 + 18% GST	100
Industry	6000 + 18% GST	120
Listener	1000 + 18% GST	30

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

Please find the payment page link given below: <https://rzp.io/rzp/ICPEDC25>

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Conference website: <http://icpedc2025.in/>

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