

# SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

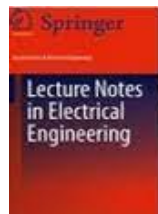
(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
ORGANIZES

## 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON POWER AND EMBEDDED DRIVE CONTROL – 2024

**ICPEDC - 2024**

JANUARY 17 - 18, 2024



Springer



### Chief Guests



**Dr. Kenneth Eloghene Okedu**

**Associate Professor.**

**School of Information Technology and Engineering,**

**Melbourn Institute of Technology, Australia**



**Prof. Dr. Ramazan Bayindir**

**Professor**

**Gazi University**

**Ankara, Turkey**

### 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 45th in Engineering Category in India Rankings 2023 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 every year 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 29 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 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 publications in referred impact factor journals and in International / National conference proceedings. The department has signed MoU with M/s. Danfoss Industries, M/s. Hibrise Technologies and 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 5<sup>th</sup> International Conference on Power and Embedded Drive Control (ICPEDC - 2024) is the premier interdisciplinary platform for all researchers, professionals and engineers from all over the world. The main objectives of ICPEDC - 2024 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 together academicians, manufacturers, scientists, researchers from industries and students to exchange their research results and address the recent technologies. We sincerely hope that ICPEDC - 2024 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

Electrical Machines and Adjustable Speed Drives


Electrical Traction Systems and Control

Modelling and Simulation of electrical systems

Power electronics systems and Applications

Power line communications

Power Quality



Power System Modeling and optimization  
Power System Stability and Control  
PLC and SCADA  
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

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 (<https://www.springer.com/series/7818>). For detailed instructions for author and editors of conference proceedings, kindly visit the following link: <https://www.springer.com/us/authors-editors/conference-proceedings>. Select papers from the conference will be published by Springer as a proceedings book volume. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published. Springer Nature does not charge any money for publication of Non-Open Access content. Abstracts/extended abstracts and short papers (less than 4 pages) are not considered for publication.

All the other peer reviewed, accepted and presented papers of ICPEDC 2024 will be published in Journal/conference series (Scopus) with additional fee. Abstract of all the registered and presented papers will be published in conference proceedings, The prospective authors are requested to submit the papers in Springer LNEE format.

Submission of Papers shall be through the link : <https://cmt3.research.microsoft.com/icpedc2024>

## IMPORTANT DATES

Paper Submission Deadline	<del>November 30, 2023</del> <b>December 5, 2023</b>
Paper Acceptance Notification	December 20, 2023
Submission of Final Camera-Ready Paper	December 25, 2023
Last Date for Conference Registration	December 30 2023
Conference Date	January 17-18, 2024



## 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 December 20, 2023. The registration fees are as follows:

Category	National (INR)	International (USD)
Student	3000	USD 40
Academics	4000	USD 60
industry	5000	USD 80
Listener	1000	USD 20

The cost of registration includes participation in all the activities of the conference, participation certificate, and publication in conference proceedings. Selected papers will be published in Scopus indexed journal.

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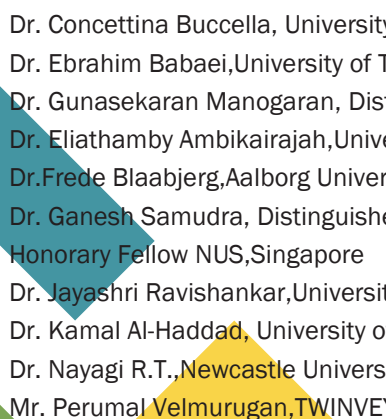
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