

# IEEE PEDES 2024

## Power Electronics, Drives and Energy Systems

National Institute of Technology Karnataka  
18-21 December 2024, Mangalore, Karnataka, India.



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**IEEE PEDES 2024** will be held at National Institute of Technology Karnataka (NITK), Surathkal from 18-21 December 2024. The goal of PEDES is to provide a platform for conference, exhibition and tutorial on selected topics of contemporary interest. The conference provides a unique forum for the exchange of knowledge and information among the professionals across the globe in the area of power electronics, drives and energy system subjects which have greater significance owing to the emphasis on energy affected by the climate change. The conference aims at bringing together the users and researchers of electrical energy conversion systems and sub-systems with the emphasis on technical content of the papers.



### About Department

The Department of Electrical and Electronics Engineering (EEE) is one of the core departments of National Institute of Technology Karnataka (NITK) right from its inception in 1960 as erstwhile Karnataka Regional Engineering College (KREC) with the under-graduate programme. The post-graduate programme specialized in Power and Energy Systems started in the year 1992. Research programmes leading to doctoral degree (Ph.D.) were introduced in the year 2003. The department has well-equipped state-of-the-art laboratories to augment the coursework and enhance the research potentials. It has a dynamic group of faculties with profound experience in academics, research and industry, dedicated in teaching-learning process and actively engaged in the cutting-edge R&D activities. The department also undertakes many consultancy projects from industry and other organisations. A good number of publications including patents, international journals & conferences comes throughout the year from its academicians and students.

### About NITK

The National Institute of Technology Karnataka (NITK), Surathkal has established itself as one of the top technological institutions in India and richly deserved recognition as an Institute of National Importance under the NIT Act 2007. NITK, Surathkal is located in Mangalore City, Karnataka State, India. The Institute was established as Karnataka Regional Engineering College (KREC) in 1960, and upgraded as National Institute of Technology Karnataka (NITK) in 2002. Mangalore is the headquarters of the coastal district of Dakshina Kannada, and boasts an important centre of education, business and trade in the state. Sri. U. Srinivasa Mallya, a visionary and a philanthropist, contributed immensely to the development of the coastal region of Karnataka, and his effort towards establishment of KREC (now NITK) is the most significant one. In recognition of his role as the founder and architect of the institute, the campus premises is named after him as Srinivasnagar.



### Technical Tracks

- ❖ Power Converters, Devices, EMI/EMC and Packaging
- ❖ Electrical Machines and Industrial Drives
- ❖ Transportation
- ❖ Control and Automation
- ❖ Renewable Energy Systems and Energy Storage
- ❖ Smart Grids & Power Quality
- ❖ Power Engineering Educations and Issues
- ❖ Applications of AI and ML Techniques to Power Electronics

### Authors Guidelines

Prospective authors are requested to initially submit their digest (4 pages max.) according to guidelines available on the conference website. All papers presented will go to IEEE Xplore and will be eligible for further review for publication in IAS Transactions and Magazine.

### Important Dates

Opening date of submission of digest: 15-02-2024.

Acceptance Notification of Digest: 15-08-2024

Submission of Final Manuscript and Copyright Form: 01-09-2024

