



INTERNATIONAL CONFERENCE ON

Advances in Renewable Energy & Electric Vehicles (AREEV-2020)

(under the aegis of ICETE 2020 Multi-Conference Platform)

22 – 23 December 2020

Organized by

Department of Electrical & Electronics Engineering



(An Autonomous Institution affiliated to VTU, Belagavi)
Nitte – 574 110, Karkala Taluk, Udupi District, Karnataka, India
ISO 9001:2015 Certified, Accredited by UGC NAAC with 'A' Grade
Phone: +91 8258 281264; Fax: +91 8258 281265
Website: www.nmamit.nitte.edu.in

About the Institute

Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), an autonomous institution affiliated to VTU, Belagavi, offers UG, PG and Doctoral programmes. A unit of Nitte Education Trust, Mangaluru, it currently offers 9 UG programmes in engineering, 8 M.Tech programmes, MBA and MCA. All the UG programmes are accredited by NBA, New Delhi. The Institute is ISO 9001:2015 certified and also accredited by NAAC with grade 'A'. Ranked 133 in the NIRF ranking (Engg Institutes)-2020, Government of India, the Institute has been awarded "Diamond" rating by QS I-GAUGE Indian Institute Ratings in 2019-20. The college has signed MoU with reputed industries, research organizations, and International universities to promote close interaction in areas of recent technologies, Research & Development, and skill enhancement programs.

About the Organizing Department

The department of Electrical and Electronics Engineering, established in 1987, offers UG and PG programs. The department offers B.E in Electrical and Electronics Engineering with an intake of 120. The B.E. program is an Autonomous course under VTU since 2007 and is accredited by the National Board of Accreditation. The department offers M.Tech in Power Electronics (Autonomous under VTU) from the academic year 2014-15 with an intake of 18 students. A recognized research center under VTU, Belagavi, the department has excellent research and innovation practices including publications in refereed international & national journals and international conferences. Highly-qualified, passionate, dedicated faculty and a well-connected alumni network are the salient features of the department. With the state-of-the-art laboratory in power electronics, control systems, power systems, and high voltage & relay, catering to the need of all the Electrical and Electronics Engineering students the department also has an excellent link and MoU with industries.

About the Conference

We are organizing a Two-day International Conference on "Advances in Renewable Energy & Electric Vehicles (AREEV-2020)" as a part of Multi-Conference "International Conference on Emerging Trends in Engineering" (ICETE- 2020) through 22 and 23 December 2020.

The conference is dedicated to driving innovation in nearly every aspect of Electrical and Electronics Engineering by facilitating a platform for researchers, professionals, executives and practicing engineers from various research institutes, educational bodies and industries to share and exchange their ideas on the theme of the conference. A series of keynote presentations, technical paper and poster presentations are planned to discuss on emerging trends, feasible solutions to shape and enable the development of mankind as a whole.

Theme of the Conference

Advances in Renewable Energy and Electric Vehicles pave a pathway and also pose challenges in the development of efficient and reliable power electronics solutions for the operation of power systems. The objective of the conference is to provide a platform for people who are working in Electrical & Electronics and inter disciplinary research to share their expertise and knowledge on technical innovations.

Thrust Area

Topics of interest include all aspects of Power Systems, Power Electronics & Drives, Renewable Energy, E-Mobility, Illumination Technology & Control, Embedded Systems, but not limited to:

Power Systems, Renewable Energy & E-Mobility

- Energy Storage Systems
- FACTS Controllers & HVDC Systems
- Power Quality
- Power System Protection and Security
- Power System Stability & Control
- Smart Grid
- Special Electrical Machines
- Renewable Energy Integration
- Distributed Generation
- Electric Vehicles
- V2G and G2V

Electronics & Signal Processing

- Internet of Things
- Microcontroller & FPGA Implementation
- Real-Time Systems and Applications
- Applications of Signal Processing
- Applications of Artificial Neural Network (ANN)

Power Electronics & Drives

- Wide Bandgap Semiconductor Technologies
- Motor Drives & Motion Control
- Hard-Switching & Soft-Switching Static Power Converters & UPS
- Traction & Automotive Systems
- Robotics Systems and Application
- Modelling & Simulation of Power Converters

Illumination & Control Systems

- Sensors & Actuators
- EMS/ SCADA
- Optimal & Robust Control System
- Renewable Energy Application to Lighting
- Robotics & Automation
- Solid State / LED-based Illumination
- System Level Design and Optimization

Invited Speakers

Eminent researchers, academicians and industrialists will be delivering keynote address on topics pertaining to the three major themes of the conference. The list of keynote speakers and related details would be displayed in the website.

Publication

Selected papers from the conference would be published by Springer as a proceedings book volume. Springer shall conduct pre-publication quality checks on the accepted papers.



The best paper shall be awarded in each stream

Patron

Sri N. Vinaya Hegde

Chancellor, Nitte (Deemed to be University) & President, Nitte Education Trust

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Mr. Ravikiran Rao M., Assistant Professor, Dept. of EEE, NMAMIT

Track Chairs

Power Systems, Renewable Energy & E-Mobility

Mrs. Nayana Shetty, Associate Professor, Dept. of EEE, NMAMIT

Power Electronics & Drives

Mr. Pradeep Kumar, Assistant Professor, Dept. of EEE, NMAMIT

Electronics & Signal Processing

Mrs. Latha Shenoy, Assistant Professor, Dept. of EEE, NMAMIT

Illumination & Control Systems

Dr. Anitha M. Colaco, Associate Professor, Dept. of EEE, NMAMIT

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Transportation, Food & Accommodation Committee

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Mr. Gururaj K., Assistant Professor, Dept. of EEE, NMAMIT

Pre-Conference Tutorial Committee

Mr. Mahabaleshwara Sharma K., Assistant Professor, Dept. of EEE, NMAMIT

Important Dates

Submission of Full-length manuscript – Open	: 01 July	2020
Last date to Submit Full-length manuscript	: 10 October	2020
Notification of acceptance	: 01 November	2020
Submission of camera-ready manuscript	: 10 November	2020
Last date for registration	: 01 December	2020

Paper Submission

The research paper submitted should be original work and should not have been submitted in another conference or journal. IEEE format should be followed for the paper. To submit the paper kindly login to conference website: www.areev2020.in

Registration Fees

Category	Pre-Conference Tutorial	Conference
Indian Delegates	₹500	₹1000
Foreign Delegates	\$10	\$20

Mode of Payment

Registration fee can be paid through NEFT. Details:

Name : Principal, NMAMIT, Nitte

Account Number : 01152200033493

Type of account : Savings Bank

Bank : Syndicate Bank, Nitte

SWIFT Code : SYNBINBB014

IFSC : SYNB0000115

MICR Code : 576025533

NOTE: Delegates must mention their NAME and AREEV-2020 without fail during online payment. The proof of online transfer (UTR No., date & time, Scan copy) needs to be uploaded in the registration portal.

Accommodation

Accommodation with nominal charges will be provided on twin sharing basis in the institute hostel on prior request depending on the availability and first come first serve basis.

Conference Registration

Kindly visit: www.areev2020.in

Conference Location

Nitte is a village in Karkala taluk of Udupi district, India which is on the state highway from Padubidri to Kudremukh. It is 8 km away from Karkala, 36 km from Udupi and 54 km from Mangaluru. It is located on the foothills of the Western Ghats Mountains and receives an annual rainfall of around 4830 mm. The state highway SH-1 cuts across Nitte which connects to the National Highway NH-66 at Padubidri and NH-13 near Karkala. There are ample number of tourism destinations near Nitte. To name a few:

- Sri Krishna Math, Udupi
- Beach, Malpe
- Thousand Pillar Temple, Moodbidri
- Chaturmukha Basadi, Karkala
- Attur Church, Karkala
- Durgaparameshwari Temple, Katil
- Light house, Kaup



Contact Details

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2020
AREEV
Nitte, Karnataka

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EDUCATION TRUST

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OF TECHNOLOGY**

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