A FIVE DAY INDO-US NATIONAL SPARC WORKSHOP ON POWER CONVERSION TECHNOLOGIES FOR RENEWABLE ENERGY AND MICRO-GRID APPLICATIONS

(02nd – 06th March, 2021)

Sponsored by:
Scheme for Promotion of Academic and Research Collaboration (SPARC), MoE, GOI

Organized by:
Department of Electrical Engineering
NIT Warangal, India

Collaboration with:
North Carolina State University
Raleigh, USA

Preamble:
Scheme for Promotion of Academic and Research Collaboration (SPARC) is a Ministry of Human Resource Development (MHRD), GOI initiative to improve research ecosystem in India. It supports national premier educational institutions by facilitating academic and research collaborations between Indian institutions and the best and selected institutions across the world’s 28 nations. The collaborative educational networks will work on common issue of national or international relevance. It encourages international faculty, Indian institution visits and long-term stays to teach courses and conduct workshops for the benefit of Indian researchers and students in the selected research area. Also, it funds Indian students to visit and access the premier laboratories worldwide for training and experimentation. As an outcome patents, monographs, and world-class publications will be produced.

About NIT Warangal and Department:
NIT Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus.

The Department of Electrical Engineering was established as one of the major departments of NITW, in the year 1959. It offers B.Tech in Electrical & Electronics Engineering, M.Tech program in Power Electronics & Drives, Power Systems Engineering, & Smart Electric Grid, and Ph.D program. The Department has strong Industry Interaction and is involved in various Research & Consultancy projects in coordination with industry, Governments of India, Telangana & Andhra Pradesh.

Course Outline:
- Renewable Energy integration – Issues & Solutions
- Solid state Transformers for renewable energy integration
- DC Micro-grid as an enabler for renewable energy integration
- Integration of PV and ESS to the grid system.
- Converter technologies for renewable energy integration

Key Resource Person:
Prof. Subhashish Bhattacharya,
Professor, FREEDM Systems Center, ECE, NC State University; and Faculty of NIT Warangal.

Eligibility: The programme is open to the Faculty and Ph.D scholars/PG students of Electrical Engineering and allied disciplines. Industry personnel working in the concerned/allied discipline can also attend. Minimum 75% attendance is mandatory for getting the participation E-Certificate of the event.

Registration:
There is no registration fee, interested candidates can register (on or before 25th February, 2021) using the Google link form: https://forms.gle/mBkQJ6vAYdcYPeE87

Selection Criteria: Selection will be done based on first-cum-first-serve basis and the confirmed candidates will be notified by email upon receipt of the registration. The maximum number of participants will be 100 (Hundred).

Coordinators:
Dr. B.L. Narasimharaju, Associate Professor, PI
Dr. A.V. Giridhar, Assistant Professor, Co-PI
Dr. Ch. Ramulu, Assistant Professor, Co-PI

Address for correspondence:
Dr. B.L. Narasimharaju
Associate Professor
Dept. of Electrical Engineering,
National Institute of Technology Warangal,
WARANGAL - 506 004, Telangana State, India.

Phone: +91-870-2462247
Email: blnraju@nitw.ac.in