



**A FIVE DAY NATIONAL SPARC WORKSHOP ON  
ADVANCED RESONANT CONVERTERS  
FOR MICRO-GRID AND ELECTRIC TRANSPORTATION**

**(15<sup>th</sup> – 19<sup>th</sup> July, 2019)**

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

**Organized by:**  
Department of Electrical Engineering,  
NIT Warangal, India

**Collaboration with:**  
NC State University, USA  
Concordia University, Canada  
University of Houston, 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 and Power Systems Engineering 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:**

- Introduction to Resonant converters & applications
- Application of soft-switching techniques to LED Drivers, micro-grid inverter systems, Electrical vehicles (EV) and wireless power transfer systems.
- Hands-on experience using simulations and experimental arrangements.

**Course Level:** Postgraduate, Ph.D. scholars and Faculty of Electrical Engineering and allied branches.

**Key Resource Person:** Dr. Akshay Kumar Rathore, Associate Professor, Concordia University, Canada; and Faculty of NIT Warangal.

**Registration Fee Particulars:**

<b>Faculty / Research Scholars</b>	<b>Rs. 2500 /- + 18% GST</b>
<b>PG Students</b>	<b>Rs. 1500 + 18% GST</b>
<b>Industry Participants</b>	<b>Rs. 5000/- + 18% GST</b>
<b>Internal Faculty/PhD/PG Students</b>	<b>Rs. 500/- + 18% GST</b>

**Note:** Registration fee includes Workshop kit, breakfast, working Lunch & dinner.

**Payment Details:** The entire registration fee is to be collected in the form of online NEFT transfer using the following details:

**Account Name:** Director Research Account NITW

**Account No:** 62266262236, IFSC: SBIN0020149

**Bank & Branch Name:** State Bank of India, NITW Branch.

**Accommodation:** All the selected participants will be provided in the institute visitors/hostel block on twin sharing on payment basis of **Rs.200/-** per participant per day. No TA will be paid for the participants.

**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.

**How to apply:** A filled application form in the prescribed format duly signed and sponsored by appropriate authorities (along with payment details) **should send scanned application form & proof for Fee paid details through e-mail to [binraju@nitw.ac.in](mailto:binraju@nitw.ac.in) [narasimharaju.bl@gmail.com](mailto:narasimharaju.bl@gmail.com)**. Also, the original hard copies of the application form & proof for Fee paid details must be submitted at registration desk on first day of reporting. The selection status will be intimated only through mail.

**Selection Criteria:** Selection will be done based on first-cum-first-serve basis and the confirmed candidates will be notified immediately. The maximum number of participants will be **40 (Forty)**. Additionally 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site [www.nitw.ac.in](http://www.nitw.ac.in) and also, will be sent to their personal e-mail address.

**Important Dates:**

**Last date for Application with fee:** 10<sup>th</sup> July 2019

**Confirmed Selection List by Email:** 11<sup>th</sup> July 2019

**Coordinators:**

**Dr. B.L. Narasimharaju, Associate Professor, PI**

**Dr. A.V. Giridhar, Assistant Professor, Co-PI**

**Dr. Ch. Ramulu, Assistant Professor, Co-PI**



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**REGISTRATION FORM**

- 1. Name :
- 2. Designation :
- 3. Institution :
- 4. E-mail :
- 5. Phone No. :
- 6. Payment Details :
- a) Transaction No. :
- b) Bank :
- c) Date :
- d) Amount :
- 7. Address :

**SPONSORSHIP CERTIFICATE**

Dr. /Mr. /Ms. ....  
is an employee/student of our  
Institute/Organization and is hereby sponsored to  
participate in the **FIVE day National SPARC-  
Workshop** on “**Advanced Resonant  
Converters for Micro-Grid and Electric  
Transportation**”, sponsored by Scheme for  
Promotion of Academic and Research  
Collaboration (SPARC), MHRD, GOI during  
15<sup>th</sup> to 19<sup>th</sup> July 2019 at NIT Warangal.

Signature of Head of Institution  
(with seal)

**Address for correspondence:**

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

- 8. Qualification :
- 9. Accommodation : Required /Not Required

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

***Note:*** E-mail the scanned copies of filled-in and duly signed application form along with proof for Fee Payment Details & date to [blnraju@nitw.ac.in](mailto:blnraju@nitw.ac.in) [narasimharaju.bl@gmail.com](mailto:narasimharaju.bl@gmail.com)

**Also, the original hard copies of the application form & proof for Fee paid details must be submitted at registration desk on first day of reporting**

**For any enquiries please contact:  
Mobile: 8332969294 / 9000742219 / 8332969291**