## A Five Day National SPARC Workshop on Advanced Resonant Converters for Micro-Grid and Electric Transportation

### 15th – 19th 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 ecosystems 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:

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<tr>
<th>Category</th>
<th>Fee (Rs)</th>
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<tbody>
<tr>
<td>Faculty / Research Scholars</td>
<td>2500 + 18% GST</td>
</tr>
<tr>
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**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 bllnraju@nitw.ac.in, 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 and also, will be sent to their personal e-mail address.

### Important Dates:
- **Last date for Application with fee:** 15th July 2019
- **Confirmed Selection List by Email:** 11th 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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(15th - 19th July, 2019)

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University of Houston, USA |

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 :

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.

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 15th to 19th 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.

Note: E-mail the scanned copies of filled-in and duly signed application form along with proof for Fee Payment Details & date to blnaraju@nitw.ac.in

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