

## ABOUT THE INSTITUTE

National Institute of Technology (formerly known as Regional Engineering College), Warangal is the first among RECs setup as joint venture of the Government of India and Government of Andhra Pradesh. Over the years the institute has established itself as a premier institution imparting technical education of a very high standard leading to the B.Tech, M.Tech and Ph.D. Degrees in various specializations. With an aim to give further impetus to the technological education, the Govt. of India has upgraded all the RECs into NITs. Now NIT Warangal is working under the Ministry of Human Resources Development, Govt. of India.

## ABOUT WARANGAL CITY

Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140 km from Hyderabad. NIT campus is 3 km away from Kazipet railway station and 15 km away from the Warangal railway station. The average temperature is about 20-25<sup>0</sup>C during day and about 18<sup>0</sup>C during night.

## ABOUT THE DEPARTMENT

The Department of Electrical Engineering is one of the oldest departments of the National Institute of Technology, Warangal (NITW). Established as one of the major departments of the institute since its inception in 1959, the Department of Electrical Engineering has been actively engaged in teaching and research in diverse fields of Electrical Engineering. Department of Electrical Engineering offers Undergraduate (B.Tech.), Postgraduate (M.Tech.) programs in Power Electronics & Drives and Power Systems Engineering and also Ph.D programs. The B.Tech. and both M.Tech programs are accredited for five years in 2014-15 by NBA as per Washington Accord. The Department is strong with most of the faculty holding Ph.D degrees and having expertise in various fields. The broad areas of expertise include State Estimation and Real Time Control of Power Systems, Application of ANN and

Fuzzy Logic in Power Systems, Power System Deregulation, Power System Transients, Power Quality, EMTP applications in Power Systems, Relay Coordination, Application of Power Electronics for Power Quality Improvement and Industrial Drives, DSP controlled Drives, Simulation of Power Electronic Converters and Drive systems.

## PATRON

Prof. T. Srinivasa Rao, Director NIT Warangal

## CONVENER

Dr. D. M. Vinod Kumar, Professor, EED, NITW

## CO-CONVENERS

Dr. S. Srinivasa Rao, Associate Professor, EED, NITW

Dr. Ch. Venkaiah, Associate Professor, EED, NITW

## ADVISORY COMMITTEE

Dr. R. V. Raja Kumar, Director, IIT Bhubaneswar

Dr. M Rammooorthy, Founder DG, CPRI, Bangalore

Dr. D. Thukaram, Professor IISc, Bangalore

Dr. S. A. Kahaparde, Professor, IIT Bombay

Dr. N.K Kishore, Professor, IIT Kharagpur

Dr. B. Yegnanarayana, Professor IIIT Hyderabad

Dr. C. Patvardhan, Professor, DEI, Dayalbag, Agra

Dr. G.Tulasi Ramdas, Professor, JNTU Hyderabad

Dr. Nagaraja Ramappa, Managing Director, PRDC, Bangalore

Dr. R. K.Verma University of Western Ontario, Canada

## TECHNICAL COMMITTEE

Dr. A. K. Pradhan, Professor, IIT Kharagpur

Dr. Ananda Rao, Professor, DEI, Dayalbag, Agra

Dr. S. N. Singh, Professor, IIT Kanpur

Dr. Vivek Agarwal, Professor, IIT Bombay

Dr. R. K. Pandey, Professor, IIT (BHU) Varanasi

Dr. Ammansai Gounden, Professor, NIT Trichy

Dr. (Mrs). C. Nagamani, Professor, NIT Trichy

Dr. N. Yadaiah, Registrar, JNTU Hyderabad

Dr. P.V.N. Prasad, Professor, Osmania Univ. Hyderabad

Dr. N. D. R Sarma, Senior Member, IEEE, USA

Dr. K. Siva Kumar Assistant Professor IIT Hyderabad

# 40<sup>th</sup> NATIONAL SYSTEMS CONFERENCE - 2016

4<sup>th</sup> - 6<sup>th</sup>, November 2016

Theme

Intelligent and Wide Area Control Systems



Convener

Dr. D.M. Vinod Kumar

Co-Conveners

Dr. S. Srinivasa Rao

Dr. Ch. Venkaiah

Organized by

Department of Electrical Engineering  
National Institute of Technology Warangal  
Warangal-506004, Telangana State, INDIA

## BACKGROUND

Systems Society of India (SSI) conducts National Systems Conference (NSC) every year since 1973. NSC is a major annual event of the SSI to provide an interactive and professional platform to active systems professionals to exchange and share information and experiences in this vital field. The primary aim of the conference is to create awareness about the application of the systems theory to the complex systems in nature, society and science.

## CONFERENCE OBJECTIVES

The conference brings together systems professionals, researchers and students to share their experiences in tackling complex engineering systems. The conference aims to showcase emerging technologies, case studies, benchmarks and future trends pertaining to advances in engineering of complex systems. NSC-2016 will provide a high-level national forum to discuss recent trends in systems engineering practice across the multiple disciplines associated with the engineering of Complex systems as well as Intelligent and Wide Area Control Systems.

## CALL FOR PAPERS

Only original and unpublished papers written in English are invited for submission to NSC-2016. Authors are advised to follow instructions being made available soon on the website <http://cms.nitw.ac.in/nsc2016>.

## TOPICS

Conference invites papers on the following areas. However, papers related to other allied areas of the theme of the conference are also considered.

- Real-Time Systems
- Intelligent Systems
- Wide Area Control Systems
- Robotics and Automation

- Operations Research
- Systems Engineering and Education
- Systems Architecture
- Systems Reliability
- Risk Management of Complex Systems Environment
- Cyber Security and Information
- Systems Modeling and Simulation
- Large Scale Systems Integration
- Decision Making Systems
- Renewable Energy Systems

## TECHNICAL PROGRAM

- Paper Presentations
- Pre-Conference Tutorials/Workshops
- Plenary Talks

## IMPORTANT DATES

Paper submission opens:	15/05/2016
Last date for paper submission:	30/06/2016
Last date for notification of acceptance:	15/08/2016
Last date for final submission:	15/09/2016
Starting of registration:	30/09/2016
Last date for registration:	20/10/2016

## INFORMATION FOR AUTHORS

Authors have to submit the full paper in the IEEE double column format, restricted to a length of six (6) pages.

Registration Fee:	
Industry Participants	Rs.5000/-
Academic Institute Participants	Rs.3000/-
Student Participants	Rs.1,000/-
Foreign National Participants	USD 300

## SPONSORSHIP

Prospective sponsors are requested to visit the conference website <http://cms.nitw.ac.in/nsc2016> to get more details about the type of sponsorship and the associated benefits

- **Platinum sponsor :** **Rs. 5 Lakhs**
- **Gold sponsor :** **Rs. 4 Lakhs**
- **Silver sponsor :** **Rs. 3 Lakhs**
- **Bronze sponsor:** **Rs. 2 Lakhs**

## REGISTRATION PARTICULARS

The duly filled in Registration form as available in the conference website along with the registration fee in the form of a Demand Draft favoring “**Convener, NSC-2016**” payable at SBH, NIT Warangal should reach the Convener at the address for correspondence **on or before 20<sup>th</sup> October, 2016.**

## BANK PAYMENT PARTICULARS

Customer Name: **Convener NSC 2016**  
CIF No.: **72240715044**  
Account No.: **62459201818**  
Bank Name: **State Bank of Hyderabad**  
Branch: **REC Warangal (NIT Campus)**  
Branch Code: **20149** IFSC Code: **SBHY0020149**

## ACCOMMODATION

Boarding & Lodging (non-a/c) will be provided to limited participants on payment basis at NIT Warangal visitor's block. However, nearby hotels and their tariff will be given in conference website. No TA/DA will be paid to participants.

## ADDRESS FOR CORRESPONDENCE

**Dr. Ch. Venkaiah**  
Co-Convener, NSC 2016  
Department of Electrical Engineering  
National Institute of Technology Warangal  
WARANGAL – 506 004 Telangana State  
E-mail: [nsc2016.nitw@gmail.com](mailto:nsc2016.nitw@gmail.com)  
[nsc2016@nitw.ac.in](mailto:nsc2016@nitw.ac.in)  
Mobile.: 08332969285; 09490164976