

ABOUT NSC

National Systems Conference (NSC) is an annual event of the Systems Society of India (SSI), which is devoted to strengthen the systems movement and its applications for the welfare of humanity. The first NSC was organized in 1973 to create awareness of System Engineering Methodologies amongst planners, designers, builders and operation managers. National System Conference is held under the aegis of SSI to facilitate interaction between engineers, scientists, researchers, entrepreneurs and academicians working in various fields. NSC provides forum for sharing knowledge, conducting presentations, discussions and further dissemination of research findings.

The thirty second conference of the series is to be held at the Indian Institute of Technology, Roorkee during 17-19 December 2008.

THEME OF NSC 08

In consonance with the national goal of 'Energy Independence', the theme of this year's conference is **"Energy Systems-Optimization and Conservation"**. The efficient use of energy makes a significant contribution in ensuring wiser use of the resources. Conserving energy offers many environmental and economic benefits. Efficiency and conservation are key components of energy sustainability—the concept that every generation should meet its energy needs without compromising the energy needs of future generations. The theme focuses on long-term energy strategies and policies that ensure adequate energy to meet needs of today and tomorrow. Energy optimization solutions are needed to improve control and monitoring to reduce fuel consumption, increase capacity and improve availability.

TOPICS OF INTEREST

NSC-08 welcomes papers in all areas related to system engineering particularly work focusing on bridging the gap between theory and practice. Some of the topics identified for the conference are as under:

- **Aerospace Systems**
- **Biomedical Systems**
- **Business and Social systems**
- **Communication systems & Data Networks**
- **Digital Signal & Image Processing**
- **Distributed Control Systems**
- **Embedded Systems**
- **Energy Conservation**

- **Energy Systems Optimization**
- **Model Reduction Techniques**
- **Modeling and Simulation**
- **New and Renewable energy**
- **Power and Energy Systems**
- **Power Electronics**
- **Process Instrumentation and Control**
- **Robotics and Automation**
- **Sensors and Sensor Networks**
- **Soft Computing Techniques**
- **System Reliability**

This is not an exhaustive list and papers are invited on other related topics as well.

INDUSTRY EXHIBITION

The conference will also have an exhibition on industrial products.

ABOUT IIT ROORKEE

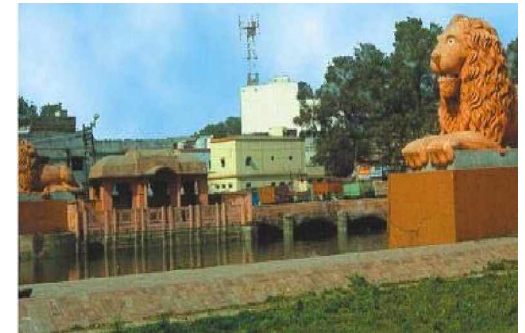


The Indian Institute of Technology Roorkee is the oldest technical institution of the country. It was established as Roorkee College in 1847 and rechristened as the Thomason College of Civil Engineering in 1854. In recognition to its yeoman contribution in the development of the country, it was elevated to the status of a university in 1949, and became the University of Roorkee - the first technical university in India. On September 21, 2001, the University of Roorkee was converted to an institution of national importance and given its present status. IIT Roorkee has academic departments in the areas of Architecture & Planning, Engineering, Management, Sciences and the Humanities and Social Sciences.

The Department of Electrical Engineering is one of the constituent departments of the institute, which came into existence as early as 1897. However, it was closed down in

1923 due to recommendations of the college administration to run the college as a purely civil engineering institution. The department was revived in 1946 and has since then offered courses in Electrical Engineering. Presently the Department runs undergraduate programme leading to the degree of Electrical Engineering and also offers post-graduate programs in the areas of Electric Drives & Power Electronics, Measurement & Instrumentation, Power System Engineering and System Engineering & Operations Research. From the year 2007-08, a five year Integrated Dual Degree program has also been introduced with B. Tech. (Elect.) and M. Tech. (Power Electronics). In addition, Ph.D. programs in various disciplines of Electrical Engineering are also offered, together with R&D work for sponsored projects and industrial consultancy.

REACHING ROORKEE



Roorkee Town is situated about 30 km south of the Himalayan range and lies in the district of Haridwar of Uttarakhand State. It is considered the gateway to pilgrimage centers like Haridwar, Rishikesh and hill stations such as Mussoorie. Roorkee is well connected by roads and is located at 180 km northeast of New Delhi. Regular bus, taxi as well as trains services are available from New Delhi. The temperature in Roorkee during December-January varies between 5°C & 25°C. Delegates are advised to bring warm clothing.

REGISTRATION FEE

Interested participants are requested to fill up the registration form and send it along with the registration fee to the Organizing Secretary. The registration fee per participant, to be paid by Demand Draft, drawn in favour of **"Registrar IIT Roorkee"** and payable at Roorkee, is as given below:

(a) Industry Participants	Rs.5000
(b) Participants from R&D/Academic Institutes.	Rs.3500
(c) Student participants	Rs.1500
(d) Foreign Participants	US\$300

Fee entitles the delegates to participate in technical sessions, soft copy of the proceedings, working lunch and tea. Life members of SSI will get a concession of 20% over the applicable registration fee amount.

ADDRESS FOR CORRESPONDENCE

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REGISTRATION FORM (NSC 2008) XXXII NATIONAL SYSTEMS CONFERENCE

1. Full Name :(Block Letters)

2. Designation: _____

3. Department: _____

4. Organization: _____

5. Address

6. Phone No. : _____

7. Fax No. : _____

8. Email: _____

9. Type of Participation:

Paper Presentation/ Participation

10. Accommodation: Required /Not Required

11. Details of Registration Fee:

Amount DD No.

Bank: Date:

12. SSI Life Membership No. (if applicable)

Note: Please make additional copies, if required.

Organizing Committee

Patron	: Prof. S. C. Saxena, Director
Chairman	: Prof. S. P. Gupta, Head of Dept.
Convener	: Prof. H. O. Gupta
Organizing Secretary	: Dr. Rajendra Prasad
Joint Secretaries	: Dr. G. N. Pillai Dr. C. P. Gupta
Treasurer	: Dr. B. Das

IMPORTANT DEAD LINES

Submission of manuscript : 30-06-2008

Notification of acceptance : 30-08-2008

Submission of final paper : 15-10-2008

Last date for Registration : 15-11-2008

SUBMISSION MODE

One copy of the full paper not exceeding 6 pages, typed on one side of A4 sheets as per IEEE double column MSWORD format should be sent to the organizing secretary by e-mail. The accepted paper received with full registration fees will be published in the proceedings of the conference.

Authors may note: Seventeen best papers of the conference are likely to be published in refereed National / International Journals.

FIRST ANNOUNCEMENT XXXII NATIONAL SYSTEMS CONFERENCE NSC – 2008 December 17-19 2008

Theme
Energy Systems - Optimization and
Conservation



Organized by:
DEPARTMENT OF
ELECTRICAL ENGINEERING
&
SYSTEMS SOCIETY
OF INDIA



INDIAN INSTITUTE OF TECHNOLOGY,
ROORKEE
Roorkee-247667
Uttarakhand, INDIA

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E-mail: nsc008@gmail.com

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