



Eighth ISSS National Conference on MEMS, Smart Materials, Structures and Systems 28-30 September 2016, IIT Kanpur, Kanpur



About the Organizers

IIT Kanpur is organising the **Eighth** edition of ISSS National Conference on **MEMS, Smart Materials, Structures and Systems, ISSS-NC8**, at IIT Kanpur under the aegis of the Institute of Smart Structures & Systems, ISSS, India.

ISSS is a Professional Society that helps to keep pace with the recent advances and give impetus to the emerging Smart technology in India. It organizes a national conference every year on Smart Materials, Structures and MEMS, which has helped to bridge the gaps between the advanced level of technology abroad and the R&D effort in India. Basic aim of this Society is to foster dedicated research in this state-of-the-art/ cutting edge technology.

IIT Kanpur was established in the year 1960. The Parliament of India passed the 'Institutes of Technology Act 1961' declaring all the IITs as "Institutions of National Importance". IIT Kanpur has demonstrated its excellence in research in many areas including Smart and Nano-materials; Multifunctional Composites etc. IIT Kanpur has a vibrant university atmosphere with a combination of strong academic and research activities.

The initiative to conceive a grand design for technical education in India and implement the concept true to its spirit, in the form of IITs is one of the greatest hallmarks of visionary development in independent India.

Scope of the Conference

The ISSS conference will attract researchers, industries and other professionals in the field of MEMS, Smart Materials, Structures & Systems, across the country with special emphasis on Piezoelectric and Shape Memory materials, Actuators, Sensors and Intelligent System Design.

The focus is on the following topics:-

- Smart Multifunctional Materials
- Structural control and Health Monitoring
- Intelligent System Design
- Applications: Structural Health Monitoring, Bio MEMS/NEMS, RF-MEMS, Automotive sensors, etc.

Special **Workshops** on related topics are scheduled between 27 Sep 2016 and 30 Sep 2016.

A special session is earmarked for **ISSS Annual Awards** presentation during the conference.

ISSS Students Awards

ISSS UG Award: One Prize Rs.15000 for student project

ISSS PG Award: One prize of Rs.20000 for a student paper based on ME/MTech/MPhil/MS/MSc project.

PhD student Award: One Prize of Rs.25000 for PhD student work (near completion/recently completed).

ISSS Young Scientist Award: For outstanding Contribution in the area of Micro & Smart Systems. This award comprises of an ISSS medal, citation and Rs.50000. Max age limit **40 years as on 30 June 2016.**

ISSS Technology Award: For or scientists/engineers who undertake major initiatives to commercialize a product in the area of micro and smart systems. These award comprises of an ISSS medal, citation and Rs.50000.

Important Dates

Submission of full paper: 10 July 2016
Acceptance of full paper: 31 July 2016
Submission of revised paper: 16 Aug 2016
Conference registration: 31 Aug. 2016

Venue

PBCEC, Conference Room, IIT Kanpur.

Paper Submission Details

Authors are requested to submit their research findings in about four pages with an abstract highlighting the technical contributions and key results which will enable to finalise the acceptance of the paper.

The full-length conference paper manuscript of your submission in pdf format after embedding all figures, graphics etc should be sent by email to tpcchair@isssonline.in. MS Word template for the final manuscript is available at the conference website. Recommended length of this camera-ready paper is 4 pages.

Log on to: <http://www.isssonline.in/nc8/> for more details for paper format and the conference paper template, etc.

For more details on ISSS Awards, submission templates/ nomination forms, log on to : <http://www.isssonline.in/awards.html>



Eighth ISSS National Conference on MEMS, Smart Materials, Structures and Systems 28-30 September 2016, IIT Kanpur, Kanpur



Registration Form

Name:.....

Gender:.....

Designation:.....

Address:.....

Pin Code:.....

Mobile No:.....

E-Mail:.....

DD Details:.....

Accommodation Required: Yes/No

Place:

Signature

Registration Fee

Students/ Research Scholars: Rs.1200/-
Academia/ Scientists/ Industry: Rs.6000/-

Registration fee includes conference kit, refreshments during the conference period. The registration fee has to be paid through DD in favour of "**Convener, ISSS NC8**" payable at **IIT Kanpur**.

Students should enclose a recommendation letter from the Supervisor/ HOD along with the Registration form.

Contact Details

Convener: Profs. Samit Ray Chaudhury (Dept. of Civil Engineering) and Rajesh Kitey (Dept. of Aerospace Engineering)
8th ISSS National Conference
IIT Kanpur, Kanpur 208016
Tel: 91 – 0512 2597267/ 2597060
Email: issnc8@gmail.com

Organising Committee

Chairman: Prof. Bishakh Bhattacharya,
Department of Mechanical Engineering

Member Secretary:

Profs. Suparno Mukhopadhyay (Dept. of Civil Engineering), Kallol Mondal and Vivek Verma (Dept. of Materials Science and Engineering).

Patrons

Prof. I Manna, Director, IIT Kanpur

and **Prof. V K Aatre**, Former SA to RM,
Visiting Professor, Dept. of ECE, IISc,
Bangalore

Conference Chair

Prof N S Vyas, Dept. of Mechanical Engineering,
IIT Kanpur

Co-Chair

Prof. S. Gopalakrishnan, President ISSS,
Professor, Dept. of Aerospace Engineering, IISc
Bangalore

National Advisory Committee Chair

Prof S B Krupanidhi, IISc, Bangalore and
Dr. Prakash D. Mangalgi, Visiting Professor,
Aerospace Engineering, IIT Kanpur

Technical Programme Committee

Chairman: Prof. S Kamle, Dept. of Aerospace
Engineering, IIT Kanpur

Co-chairs: Prof. K. J. Vinoy, IISc Bangalore and Dr.
B.R. Vidyashankar, GE, Bangalore

Member Secretary: Profs. S. Bhattacharya, J.
Ramkumar, S. Gupta and M. Law (Dept. of
Mechanical Engineering)