



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.

Scopes 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.

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

[A Pre-conference workshop on Mechanics of MEMS is scheduled on 27th September, 2016.](#)

ISSS Students Awards:

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

ISSS PG Award: One prize of Rs.20000

ME/MTech/MPhil/MS/MSc for student project.

PhD student Award: One Prize of Rs.25000 for

PhD student work (near completion).

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

Log on to :

<http://www.isssonline.in> for more information.

Important Dates

Submission of full paper: 15 July 2016

Acceptance of full paper: 01 August 2016

Submission of revised paper: 10 August 2016

Conference registration: 16 Aug. 2016

Venue

PBCEC, Conference Room, IIT Kanpur.

Abstract Details

The 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.

Paper submission format is as follows:

TITLE (Calibri: 14 UPPER case, Bold, Centred)

First Author, Presenting Author and Corresponding Author* (Calibri: 12, Title case, Bold, Centred)

Affiliations (Calibri: 12, Title case, Regular Italics, Centred)

E-mail of the corresponding author (Calibri: 11, lower case, regular, left aligned)

TEXT (Calibri: 11, Regular, Justified)

Key words: Five (Calibri: 11, Regular, Title Case, left aligned).

Log on to: **<http://www.isssonline.in>** for more details for paper format etc..



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Registration Form

Name:.....

Gender:.....

Designation:.....

Address:.....

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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)
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Organising Committee

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

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

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