



Ninth ISSS National Conference on MEMS, Smart Materials, Structures and Systems 4 – 6 October 2018, TCE, Madurai



About the Organizers

TCE is organising the **Ninth** edition of ISSS National Conference on **MEMS, Smart Materials, Structures and Systems, ISSS-NC9**, at TCE 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.

Thiagarajar College of Engineering is one among the several educational, industrial and philanthropic institutions founded by Late. Sri Karumuttu Thiagarajan Chettiar. This 61 years old Institution is a Government Aided autonomous Institution, accredited by NBA, approved by the All India Council for Technical Education and affiliated to Anna University. The college offers 7 Undergraduate, 14 Post graduate and Research programs leading to PhD degree in Engineering, Science and Architecture disciplines.

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:-

- Modelling and analysis of Micro and Nano Structures
- Design of Micro and Nano components and systems
- Smart Multi functional materials
- Sensors and Actuators
- Micro and Nano System packaging
- Micro and Nano Device Fabrication and Characterization
- Smart material and Structures for
 - o Health Care, Energy, Environment, Structural Health Monitoring, Wireless, Thermal Management, DNA Computing, Automotives

Applications: Structural Health Monitoring, Bio MEMS/NEMS, RF-MEMS, Automotive sensors, etc.

Special **Workshops** on related topics are scheduled on 4th Oct 2018(FN) and 6th Oct 2018(FN).

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 / M.Tech / 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 2018.**

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

Important Dates

Submission of Full Paper	: 15 th May 2018
Acceptance of Paper	: 10 th June 2018
Submission of revised paper	: 15 th July 2018
Conference registration	: 31 st Aug. 2018

Venue

K S Auditorium,
Thiagarajar College of Engineering, Madurai.

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 finalize 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/nc9/> 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>



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Registration Form

Name:.....

Gender:.....

Designation:.....

Address:.....

.....

Pin code:.....

Mobile No:.....

E-Mail:.....

DD Details:.....

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Accommodation Required: Yes/No

Place:

Signature

Registration Fee

Student member : Rs.1000/-

Academics : Rs.6000/-

Life member of ISSS : Rs.4000/-

Students of a group more than five: Rs.1000/student

To be an annual member: Rs.6000/- [if already a member extension for one more year]

Registration fee includes conference kit, refreshments during the conference period.

The registration fee has to be paid through DD in favor of “Convener, ISSS NC9” payable at TCE, Madurai.

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

Contact Details

Convener: Dr. S. Kanthamani (Dept. of Electronics and Communication Engineering)

9th ISSS National Conference Thiagarajar College of Engineering, Madurai

Tel: 91 – 0452 2482240/2482241

Email: issnc9@gmail.com

Organizing Committee

Patron

- **Mr. Karumuttu T. Kannan**
Chairman and Correspondent,
Thiagarajar college of Engineering, Madurai
- **Dr. V.K. Aatre**, Former SA to RM,
Visiting Prof, IISc, Bengaluru

Conference Committee

- **Chair: Dr. V. Abhaikumar**, Principal, TCE
- **Co-Chair : Dr. K.J. Vinoy**, President, ISSS

Organising Committee

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- Dr. S. Kanthamani, Asso. Prof., TCE
- Dr. M. Mahendiran, Asso. Prof, TCE
- Dr. S. Gayathiri, Asso. Prof, TCE
- Dr. G.Kumaraguruparan, Asso. Prof, TCE
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