

# 10<sup>th</sup> ISSS National Conference on

# MICRO AND SMART SYSTEMS

21 – 23 October 2019 NMAM Institute of Technology, Nitte

Organized by



(An Autonomous Institution affiliated to VTU, Belagavi) Nitte - 574110, Karnataka, India

In association with



#### **About the Organizers**

The Institute of Smart Structures and Systems (ISSS) plans to organize its annual conference in a new format in 2019. The conference on micro and smart systems aims to bring together distinguished speakers who will present state-of-the-art research in their respective domains. There will be eight talks each of which will be of one hour duration with ample time for discussion and interaction. The first day will have four distinguished talks and will be open to college students of the institutions in the vicinity. The students can interact with the speakers. Second and third days are for those who register for the conference; of course, all registrants should attend the first day's talks too. Second day will have four more distinguished talks and a session on power presentations by contributing authors in a plenary session.

The 10<sup>th</sup> edition of ISSS National Conference on **Micro and Smart Systems** is being organized by Nitte Mahalinga Adyanthaya Memorial Institute of Technology (N.M.A.M.I.T.), Nitte under the aegis of the Institute of Smart Structures & Systems, ISSS, India. NMAMIT is Affiliated to VTU, Belagavi, is an Autonomous Institution offering UG, PG and Doctoral Programmes. The institute is a unit of Nitte Education Trust, Mangalore. The institute currently offers 7 UG programmes, 11 M.Tech programmes in Engineering, MBA and MCA programmes. All UG Programmes are accredited by National Board of Accreditation (NBA), New Delhi and is a ISO 9001:2015 certified Institution. Institute is accredited with National Assessment and Accreditation Council (NAAC), New Delhi with 'A' Grade. The institute has been placed at 128<sup>th</sup> position in NIRF ranking -2019.

## **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
- Image Processing techniques in Micro & Smart Systems
- Machine Learning and Neural Networks Applications in Smart Systems
- Artificial Intelligence for Smart systems.
- Micro and Nano System packaging
- Micro and Nano Device Fabrication and Characterization
- Smart material and Structures for
  Health Care, Energy, Environment, Structural
   Health Monitoring, Wireless, Thermal Management, DNA Computing, Automotives.

Special Workshops on related topics are scheduled on 21 Oct 2019(FN and AN).

#### **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 in pdf format after embedding all figures, graphics etc. should be sent by email to: ncmss2019@nitte.edu.in

A few of the contributed papers presented during the conference will be shortlisted for publication in the **ISSS Journal of the Institute of Smart Structures and Systems** after further review

#### **Important Dates**

Submission of Full Paper : 31st Aug. 2019
Acceptance of Paper : 20th Sep. 2019
Submission of revised paper : 25th Sep. 2019
Last date for Conference Registration : 10th Oct. 2019

## **Registration Fee**

ISSS member

(Student/Research Scholar/Faculty\*) : Rs. 1,000/-Other ISSS Member: : Rs. 2,000/-

Non Members

(Student/Research Scholar/Faculty\*): : Rs. 2,500/-Others# : Rs. 3,500/-

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

# Please note that it would be possible become Annual Member of ISSS by paying Rs 1000 towards the membership fee and avail discounted registration fee for members.

Registration fee includes conference kit, refreshments during the conference period. Accommodation will be provided on first come first serve basis and nominal charges apply.

The registration fee has to be paid through DD/NEFT. DD has to be drawn in favor of "Principal, N.M.A.M.I.T., Nitte", payable at Syndicate Bank Nitte / SBI, Karkala, to be sent to the Conference Secretary before the due date.

#### **NEFT/RTGS**

A/c Holder name : Principal, NMAMIT, Nitte Syndicate Bank, Nitte-574110

Account Type : S/B

Account No. : 01152200033493 IFS/RTGS code : SYNB0000115 SWIFT code : SYNBINBB014 MICR Code : 576025533.

The proof of NEFT payment (with UTR No., date & time, Paper Id) needs to be communicated through email to **ncmss2019@nitte.edu.in** 

#### Venue

Sambhram Auditorium, NMAM Institute of Technology, Nitte, Udupi District, Karnataka

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 / M.Sc project.

**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 2019.** 

**ISSS Technology Award:** For 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**/-. For more details of ISSS awards, please visit <a href="https://isssonline.in/awards/">https://isssonline.in/awards/</a>

#### **Contact Details**

#### **Conveners:**

Dr. Sudesh Bekal,

Professor and Dean R&D, NMAMIT Nitte

#### Dr. Muralidhara

Professor and PG Co-ordinator, NMAMIT Nitte

#### **Organizing Secretary:**

Mr. Raghavendra Bairy (Ph.D),

10th ISSS National Conference,

NMAM Institute of Technology, Nitte - 574110, Karnataka.

Tel: +91 - 08258 281463 / 464

Mobile No: 9964279415

Email: ncmss2019@nitte.edu.in

For paper submission registration, ISSS Awards and other details.

Please visit: ncmss2019.in

## **Organizing Committee**

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Dr. Anil Kumar H. S.

Mr. Pavan Hegde

## Sponsorship:

Government/ Private Institutions/ Industries/ Equipment Manufactures & Suppliers are requested to avail the benefits as sponsor by contributing Rs. 50,000/-, Rs. 25,000/- Rs. 10,000/, as Platinum/ Gold/ Silver sponsor respectively.

For more details: https://ncmss2019.in/sponsorship/.





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## **Registration Form**

| Name               | :   |                     |
|--------------------|-----|---------------------|
| Gender             | :   |                     |
| Designation        | :   |                     |
| Address            | :   |                     |
|                    |     |                     |
|                    |     |                     |
| Pin code           | :   |                     |
| Mobile No.         | :   |                     |
| Email              | :   |                     |
| DD/NEFT<br>Details | :   |                     |
| Accommodat         | ion | Required : Yes / No |
|                    |     |                     |
| Place :            |     |                     |
| Date:              |     | Signature           |

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