

## ABOUT THE CONFERENCE

On behalf of Surya Engineering College, we take massive preference in inviting all the participants from all over the world to attend the Material Science and Smart Structures conference entitled "International Conference on Material Science, Smart Structures and Applications (ICMSS 2020)" to be held in Erode, Tamil Nadu, India during 15-16, October 2020.

The conference will be organized around the theme "Escalating Innovative Material Science and Smart Structures for an Ingenious Future". So this conference is about bringing out the new smart and innovative ideas from the people belonging to the material sciences and smart structure applications from all over the world for the bright and ingenious future.

## ABOUT THE COLLEGE

Surya Engineering College (SEC), Erode is a Self-financing Engineering College instituted in the year 2008 under the auspices of Sri Andavar Educational and Charitable Trust. On the 7th km from Erode in Erode to Perundurai Highway, the amiable and well-developed college campus spreads over a sprawling 20 acres of land.

The institution provides education in the field of Engineering, Management studies, Pharmacy and Architecture. Eminent professors, experts from industries and management consultant are invited to deliver guest lectures, seminars and workshops are arranged regularly.

## CALL FOR PAPER

### Metallurgy and Materials

- Iron & Steel Classes and Standards
- Iron & Steel Manufacturing Methods and New Approaches
- Refractories in Iron & Steel Industry
- Fracture and Fatigue Behavior of Iron & Steel

### Mechanics and Behavior of Smart Materials

- Magnetic Properties of Smart Materials
- Mechanical Properties of Smart Materials
- Thermal Properties of Smart Materials
- Optical Properties of Smart Materials
- Advanced Characterization Techniques

### Powder Metallurgy

- Material Science and Technology
- Coating & Corrosion
- Novel Coating Materials
- Hard Coatings
- Tribology
- Processing and Characterization
- Nanostructured Coatings

### Smart Structures

- Ceramics
- Structural Engineering
- Green Buildings
- Composite Materials
- Rubber Technologies
- Metals and Alloys
- Polymers
- Smart Design and Construction

### Materials Chemistry

- Material Science and Engineering
- Role of Smart Materials in Pharmacy
- Synthesis of New Drugs
- Plastics Fabrication and Uses
- Crystallography
- Energy Applications of Materials
- Biomedical Applications of Materials

### Nanomaterials and Nanotechnology

- Carbon, Graphite and Graphene
- Nanotubes, Nanorods and Nanowires
- Nanofibers, Nanofilms and Nanocomposites
- Nanopowder and Nanoparticles
- Microtechnology
- Smart Nanodevices
- Nanotechnology Applications

### Optical and Electronic Materials

- Photonics Materials and Devices
- NEMS, MEMS and Liquid Metal Devices
- Semiconductors and Super Conductors
- Computational Optics and Photonics
- Lasers and Optical Fibers
- Smart Electronic Devices
- Advanced Metals & Alloys
- Catalytic Materials
- Conducting Polymers
- Environmental Coordination Materials
- Fluids and Liquid Crystals
- Functionally Graded Materials
- High Entropy Alloys
- Magnetic Materials
- Optical Materials
- Self-Assembled Materials
- Self-Healing Materials

## ORGANIZING COMMITTEE

### Patron

**Thiru C. Elango,**  
Chairman SAEC Trust,  
Erode, India.

**Ln. K. Kaliselvan,**  
Secretary & Correspondent,  
Surya Engineering College, Erode, India.

### Chief Patron

**Dr. S. Vijayan,**  
Principal,  
Surya Engineering College, Erode, India.

### Conference Chair

**Prof. E. Baraneetharan**  
Professor and Head,  
Department of EEE,  
Surya Engineering College, Erode, India.

## SUBMISSION FORMAT

All papers must be formatted according to the AIP template, with a maximum length of 8-12 page including figures and references in Microsoft Word /Latex Format. All proposed papers must be submitted in electronic form using the ICMSS 2020 submission management system or through Email [[icmss.contact@gmail.com](mailto:icmss.contact@gmail.com)].

## REGISTRATION FEE DETAILS

Indian Authors - INR. 9500  
Foreign Authors - 200 USD  
Indian Listener - INR.7000  
Foreign Listener - 150 USD

Maximum number of pages – 12

## VENUE

Surya Engineering College,  
Erode - Perundurai Highway,  
Kathirampatti,  
Mettukadai,  
Erode,  
Tamil Nadu – 638107.

## CONTACT

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Conference website: <http://icmss.co.in/2020/>



## 3<sup>rd</sup> International Conference on Material Science, Smart Structures and Applications (ICMSS 2020)

On

15-16, October 2020

Organized by

## Surya Engineering College



All registered and presented papers will be published in AIP conference proceedings.

2019 Publication Link:

<https://aip.scitation.org/toc/apc/2201/1>