

About the Conference

The increasing integration of sensors, electronic devices, and signal processing architectures in environmental applications allow real-time data acquisition and analytics, and it even assists the infrastructures to respond in real time according to user requirements, which makes them smart and intelligent. The recent research progress on high-performance materials, recyclable materials for infrastructure facility construction and rehabilitation, anomaly detection, non-destructive testing, autonomous environmental condition assessment (e.g. unmanned systems/drone applications), intelligent sensor deployment and system integration for network-level infrastructure management has changed the human lifestyle across the globe. To perform this, International Conference on Material Science, Smart Structures and Applications (ICMSS 2022) aims to provide an interdisciplinary platform for the researchers from both academia and industries and lends itself to the integration of recent research works in the field of Smart structures for Environmental Applications.

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 Papers

Track-1

- ❖ 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

Track-2

- ❖ Nanomaterials and Nanotechnology
- ❖ Carbon, Graphite and Graphene
- ❖ Nanotubes, Nanorods and Nanowires
- ❖ Nanofibers, Nanofilms and Nanocomposites

- ❖ Nanopowder and Nanoparticles
- ❖ Microtechnology
- ❖ Smart Nanodevices
- ❖ Nanotechnology Applications

Track-3

- ❖ Optical and Electronic Materials
- ❖ Photonics Materials and Devices
- ❖ NEMS, MEMS and Liquid Metal Devices
- ❖ Semiconductors and Superconductors
- ❖ 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
- ❖ Self-Assembled Materials
- ❖ Self-Healing Materials

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Submission Guidelines

Send full manuscript to icmss.contact@gmail.com in (PDF + MsWord format) or (PDF + Latex format)

Registration Fee Details

Indian Author: INR 7500 per paper
Indian Listener: INR 5000

Foreign Author: 100 USD per paper
Foreign Listener: 80 USD

Venue

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