

# INTERNATIONAL CONFERENCE

**ON MECHANICAL AND MATERIALS SCIENCE  
ENGINEERING: INNOVATION AND RESEARCH  
(ICMMSE:IR 2018)**

**5-6<sup>th</sup> July, 2018**

## ABOUT SITRC

Sandip Institute of Technology and Research Center (SITRC) is a pioneer technical institute established, under the umbrella of SF in 2008 in Nashik campus. The institute is approved by AICTE, New Delhi (GoI) and affiliated to Savitribai Phule Pune University, Pune. The institute is an ISO 9001:2008 Certified which is a symbol of quality management system.

## TRACKS

### MECHANICAL ENGINEERING

- Structural Dynamics and Vibrations
- Acoustics and Noise Control
- Advanced Manufacturing Techniques
- Thermal System Design and Analysis
- Fluid Dynamics

### MATERIALS SCIENCE ENGINEERING

- Metal Alloys
- Composite Materials
- Nanomaterials and Nanostructures
- Smart Materials and Structures
- Energy and Impact Absorption

**DEPARTMENT OF MECHANICAL ENGINEERING  
SANDIP FOUNDATION'S, SANDIP INSTITUTE OF  
TECHNOLOGY & RESEARCH CENTRE (SITRC),  
MAHIRAVANI, NASHIK-422213,  
MAHARASHTRA-INDIA**

## WHO SHOULD ATTEND?

The conference is relevant to UG/PG students, PhD scholars, Researchers/Engineers, Academicians in the field of Mechanical and Materials Science.

## IMPORTANT DATES

Last date of full paper submission	- <b>May 31st 2018</b>
Notification of acceptance of paper	- <b>June 15th 2018</b>
Last date of registration	- <b>June 30th 2018</b>
Notification of time and slot for presentation	- <b>July 1st 2018</b>
Date of Conference	- <b>July 5-6th 2018</b>

Paper Submission process and Conference update, please visit our website - [www.icmmseir.in](http://www.icmmseir.in)

## CONFERENCE HIGHLIGHTS

- Publication of all Papers in Referred and Scopus/WoS indexed Journal.
- Presentation & Attendee certificates.

## REGISTRATION FEE (POSTER/RESEARCH PAPER) National

Delegates Category	Registration Fee	International Referred Publication Charge*	Scopus/WoS Publication Charge**
Student	Rs. 2000	Rs. 1000	Rs. 4000
Academics	Rs. 2000	Rs. 1000	Rs. 4000
Industries	Rs. 2000	Rs. 1000	Rs. 4000

## International

Student	220 USD	-----	-----
Academics	250 USD	-----	-----
Industries	280 USD	-----	-----

# AWARDS



## **Sessions Best Paper Awards**

In each session one paper will be selected as best paper and the award of best session paper will be given to the presenting author.



## **Best Oral Presentation Awards**

(Each Session)  
This award will be given to the one best presenter in each session.



## **Best Poster Presentation Awards**

Three best posters will be selected for this award from the total number of posters presented in the conference.



## **Outstanding Research Awards**

Three outstanding research awards will be given from overall number of papers.

## **ICMMSE:IR COMMITTEE**

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Chairman, Sandip Foundation, Nashik.

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**Dr. M. M. Patil,**  
Associate Professor & Head of Department,  
Department of Mechanical Engineering,  
Sandip Institute of Technology & Research  
Centre (SITRC), Nashik.

## **PLENARY SPEAKERS**

### **Prof. S. Das**

Visiting Professor, Department of Materials Science,  
Indian Institute of Technology, Kanpur-India.  
[Former Director, CSIR-Advanced Materials and  
Processes Research Institute, Bhopal-India.]

### **Dr. M. Gupta**

Associate Professor, Department of  
Mechanical Engineering,  
National University of Singapore, Singapore.

## **ABOUT ICMMSE:IR-2018**

Mechanical Engineering has major role in the mobilization and the economic development of the nation. It is one of the major employment generation sectors of the country. Mechanical Engineering integrates knowledge from different domains such as physics, materials science, manufacturing, thermal sciences and applied mechanics. Materials science engineering discipline has significant contribution for the advancement in the field of automotive, aerospace, naval, turbo-machinery, etc. through the research on newer and lightweight materials with enhanced mechanical properties. Therefore, the recent developments in these domains always result in remarkable growth in nation building. The conference aims to bring together world's best academicians, scientists, industrial experts, and research scholars from different areas of Mechanical & Materials Science Engineering to focus on emerging fields in these areas and provides opportunity for face to face interaction. Sandip Institute of Technology and Research Centre heartily welcomes you to beautiful and green campus of Sandip Foundation situated near to one of the twelve Jyotirlinga, Trimbakeshwar.

## KEYNOTE SPEAKERS

### **Prof. S. V. Kailas,**

Professor, Department of Mechanical Engineering,  
Indian Institute of Science, Bangalore-India.

### **Dr. A. Arockiarajan**

Associate Professor, Department of Applied Mechanics,  
Indian Institute of Technology, Madras-India.

### **Dr. L. A. Kumaraswamidhas**

Associate Professor & Head of Department,  
Department of Mining Machinery Engineering, Indian  
Institute of Technology (ISM), Dhanbad-India.

### **Dr. I. A. Palani**

Associate Professor & Head of Department,  
Metallurgy Engineering and Material Science,  
Indian Institute of Technology, Indore-India.

### **Dr. A. Chowdhury**

Associate Professor, Mechanical Engineering,  
Indian Institute of Technology, Bombay-India.

### **Dr. Mahesh M S**

Assistant Professor, Mechanical & Aerospace  
Engineering, Indian Institute of  
Technology, Hyderabad-India.

### **Dr. C. M. Krishna**

Associate Professor, Department of  
Mechanical Engineering, Maulana Azad National  
Institute of Technology, Bhopal- India.

### **Dr. N. S. Shanmugam,**

Associate Professor, Department of  
Mechanical Engineering, National Institute of  
Technology, Tiruchirappalli-India.

### **Dr. D. P. Mondal**

Senior Principal Scientist, CSIR- Advanced Materials  
and Processes Research Institute, Bhopal-India.

### **Dr. S. Chandrabalan**

Assistant Professor, Department of  
Mechanical Engineering, Maulana Azad  
National Institute of Technology, Bhopal-India.

## INVITATION & CALL FOR PAPERS

International Conference on Mechanical and  
Materials Science Engineering: Innovation and  
Research (ICMMSE:IR 2018) organizers invite you to  
submit your full paper for oral and poster

sessions. Authors are invited to submit original  
research papers which are not published anywhere  
else. The content of the paper will be evaluated based  
on originality, technical correctness, contribution and  
well readability. All submitted papers will be peer  
reviewed and the acceptance will be communicated  
to the authors through an email.

### **Presentation time schedule for the ICMMSE:IR 2018 is of 10 minutes for each presenter.**

8 min presentation

2 min discussion

Plagiarism in any form is not allowed, papers with  
plagiarism more than 10% will be rejected.

## SANDIP FOUNDATION

"Sandip" is a Sanskrit word that means "pure flame".  
With this pure flame of education, a visionary  
educationalist, Dr. Sandip N. Jha established Sandip  
Foundation (SF) in 2008 near the holy city of Nashik  
over sprawling lush green campus of 250+ acres. Also,  
SF has expanded its horizon with a second campus in  
Madhubani, Bihar, spread over a 60+ acres. With the  
mission of imparting in-depth technical knowledge  
and instilling social as well as cultural values, Sandip  
Foundation (SF) has been illuminating lives through  
education over the last one decade. Our active  
contributions towards the realms of Engineering,  
Management, Science, Arts, Pharmacy, and  
Polytechnic studies have helped to shape many  
successful careers. There are five colleges under the  
flagship of SF in the Nashik campus which are always  
ranked as the best colleges in Maharashtra. All  
colleges are approved by AICTE, New Delhi (GoI). The  
colleges running diploma courses are affiliated to  
Board of Technical Education, Maharashtra (BTE)  
whereas the degree colleges have affiliation with  
Savitirbai Phule Pune University, Pune (SPPU) which  
is recognized as Oxford of the East. We endeavor to  
give a rewarding and fulfilling experience to the  
students entering the campus through our education  
system that matches global standards. State-of-art  
facilities like wide spread playground, Cafeterias at  
different locations, hostel accommodation for  
students, separate recreation centers in individual  
hostel, Wi-Fi enabled campus, 24X7 medical  
assistance and vigilant security around the campus  
have made the destination of first choice for  
passionate students over the country. SF has been  
stressing on the importance of extra-curricular  
activities like sports and cultural events for 360°  
development of the students. The excellence in  
performance of our students is reflected through their  
personal and professional lives.



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**Prof. J. G. Nayak**, HOD, Civil, SITRC, Nashik.

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## SANDIP UNIVERSITY

Sandip University, Nashik (SUN) is the premier private university in Northern Maharashtra established under the aegis of Sandip Foundation. The University is ratified as per the MAHARASHTRA ACT No. XXXVIII OF 2015 and UGC, New Delhi. Since its inception it has been serving futuristic education of 21st century to the upcoming generations. SUN ranks under 'Top 10 Emerging Universities of India' and it is considered to be the 1st Mega University in Northern Maharashtra. At SUN, the students are studying in the various disciplines like Humanities and Social Science, Law, Basic Sciences, Engineering and Technology and Management Sciences at UG, PG and Doctorate levels.

### Nashik

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### Bihar

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