



SANDIP
FOUNDATION



AICTE Sponsored INTERNATIONAL E-CONFERENCE

ON MECHANICAL AND MATERIAL SCIENCE
ENGINEERING: INNOVATION AND RESEARCH
(ICMMSE: IR 2021)

17th -18th Sept. 2021

ORGANIZED BY
DEPARTMENT OF MECHANICAL ENGINEERING
SANDIP INSTITUTE OF TECHNOLOGY
& RESEARCH CENTRE, NASHIK (MS)

ABOUT SITRC

Sandip Institute of Technology and Research Center (SITRC), the **top engineering college in Nashik, Maharashtra** is established in 2008 and is approved by All India Council for Technical Education, New Delhi Government of India and affiliated to Savitribai Phule Pune University, Pune. The Institute is **accredited by NAAC with 'A' grade and comprehensive score of 3.11**, an **ISO 9001:2008** certified which provides uncompromising quality infrastructure (Faculty & facilities simply world class). This commitment is reflected in the investments made by the Institute in providing facilities to students in terms of laboratories, equipment, library sports, transportation and everything it takes to create an excellent environment for learning. On visiting the Campus, one is struck by the aesthetic and elegant buildings, splendid lawns, spacious sports grounds and lush green environment conducive for teaching-learning process. The Campus boasts of in-house facilities like state-of-the-art labs, spacious classrooms (with Audio-Video teaching aids), mess with hygienic food, college canteen, health care centre, gym etc. to cater all necessities of the student and the staff, ultramodern hostel facilities with beautiful surroundings. 250+ acres of Campus is about 12 km away from Nashik city. SITRC has an ambiance that stimulates intellectual thinking and academic proceedings (Teaching and Learning Process).

DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering offers undergraduate program i.e. B. E. Mechanical Engineering course and practices OBE (outcome based education) for which it is **NBA accredited** from 2020–21 to 2022–23. This is the highest and prestigious accreditation of the nation acquired as on date by only few programs in the jurisdiction of the University, North Maharashtra region as well as the nation.

WHO SHOULD ATTEND?

The conference is relevant to UG/PG students, Ph. D scholars, Researchers/Engineers, Academicians & Industrialist the field of Mechanical and Materials Science.

Paper Submission process and Conference update, please visit our website
<https://www.sandipfoundation.org/icmmseir>

CONFERENCE HIGHLIGHTS

- * Publication of all peer reviewed and accepted papers in referred and Scopus/WoS Indexed Journal.
- * Presentation & Attendee certificates.

PUBLICATION:

All papers submitted to the conference will be peer reviewed and evaluated based on originality, technical contents and relevance to the conference. Peer reviewed papers will be published in Scopus/ WoS Indexed journal.

IMPORTANT DATES

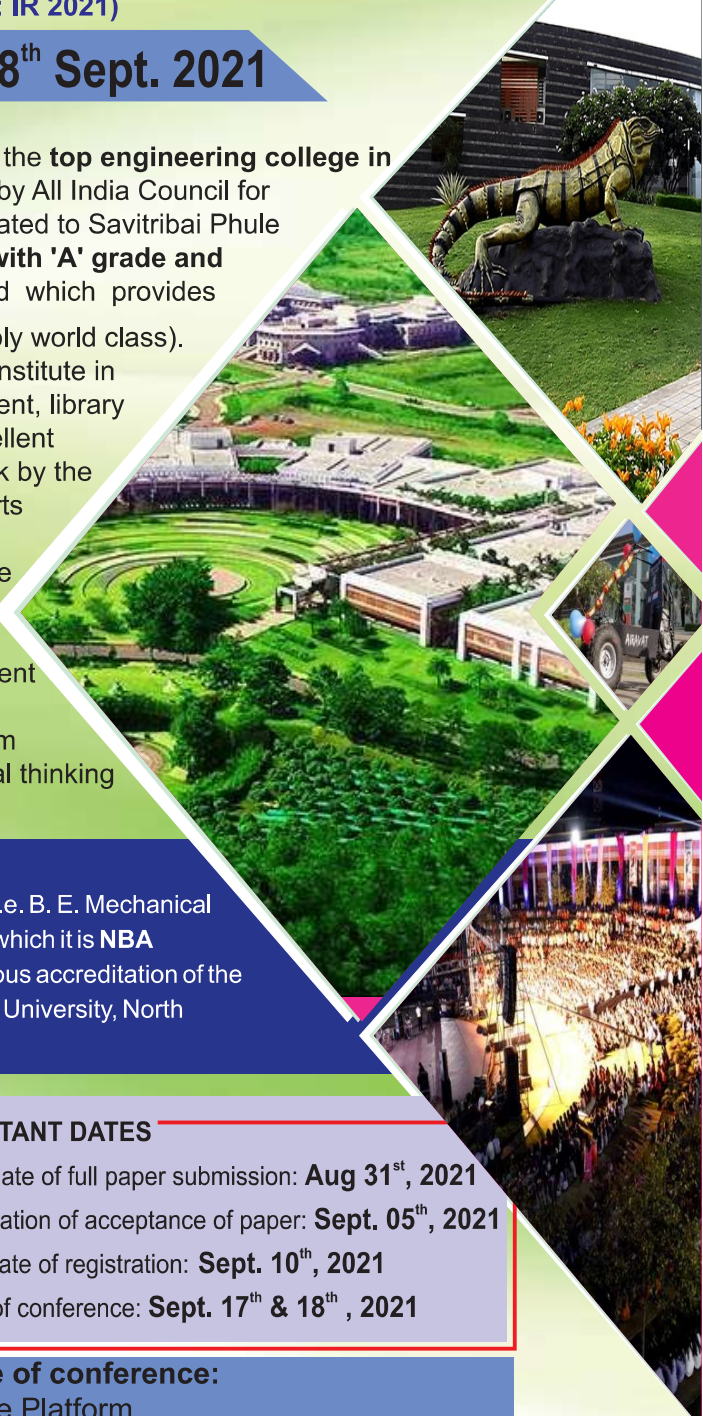
- Last date of full paper submission: **Aug 31st, 2021**
- Notification of acceptance of paper: **Sept. 05th, 2021**
- Last date of registration: **Sept. 10th, 2021**
- Date of conference: **Sept. 17th & 18th, 2021**

Mode of conference:

Online Platform

Registration Fee:

- No registration charges for conference participation.
- Additional charges for publication in Scopus/WoS Indexed Journal.



ICMMSE: IR 2021 Committee

CHIEF-PATRON:

Dr. Sandip N. Jha,
Chairman, Sandip Foundation, Nashik.

PATRON:

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Prof. Pramod Karole,
Academic Facilitator, Sandip Foundation, Nashik.

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Principal,
SF's, Sandip Institute of Technology and
Research Centre, Nashik.

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Head of Department, Mechanical Engineering,
Dean Administration,
Sandip Institute of Technology and Research
Centre, Nashik.

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Prof. (Dr.) P. R. Baviskar
Dean Academics,
Department of Mechanical Engineering,
Sandip Institute of Technology and
Research Centre, Nashik.

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Associate Professor,
Department of Mechanical Engineering,
Sandip Institute of Technology and
Research Centre, Nashik.

Dr. Dipen Kumar Rajak
Assistant Professor,
Department of Mechanical Engineering,
Sandip Institute of Technology and
Research Centre, Nashik.

ABOUT ICMMSE:IR 2021

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 welcome you to beautiful and green campus of Sandip Foundation situated near to one of the twelve Jyotirlinga, Trimbakeshwar.

Keynote Speakers International



Prof. (Dr.) Yun Hae Kim
Department of Ocean
Advanced Materials
Convergence Engineering,
Korea Maritime and
Ocean University, Busan,
Republic of Korea.



Prof. (Dr.) Pankaj Koinkar
Optical Nano materials
Laboratory,
Tokushima University,
Japan



Prof. (Dr.) Yogesh Bhalerao
Mechanical Engineering
and Design,
School of Engineering,
University of East Anglia,
United Kingdom.



Dr. Reza Kolahchi
Department of
Mechanical
Engineering, Institute
of Research and
Development,
Duy tam University,
Vietnam

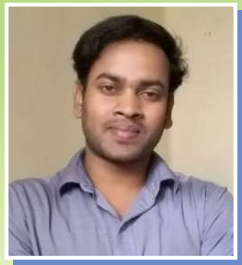
Keynote Speakers National



Prof. (Dr.) Siba Sankar Mahapatra
Department of Mechanical
Engineering,
National Institute of Technology,
Rourkela, Odisha, India.



Dr. Ram Krishna Upadhyay
Department of Engineering
and Applied Science,
National Rail and
Transportation Institute,
Vadodara, Gujarat, India



Dr. Ajit Behera
Department of Metallurgy
Engineering,
National Institute of Technology,
Rourkela, Odisha, India



Dr. Santosh Kumar Mishra
Department of Production
Engineering,
National Institute of
Technology, Tiruchirappalli,
Tamil Nadu, India

INVITATION & CALL FOR PAPERS

International Conference on Mechanical and Materials Science Engineering: Innovation and Research (ICMMSE:IR 2021) organizers invite you to submit your full paper for oral 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 E-mail.

TRACKS

Mechanical Engineering

- Structural Dynamics & Vibration
- Acoustic and Noise Control
- Advanced Manufacturing Techniques
- Thermal System Design and Advanced Optimization Techniques
- Fluid Dynamics

Material Science and Engineering

- Metals & Alloy
- Composite Materials
- Nano Materials & Nano Structures
- Smart Materials & Structure
- Energy & Impact Absorption Materials

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Dr. H. T. Luong, Asian Institute of Technology, Thailand.

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Mr. J. G. Nayak, HOD, Civil, SITRC, Nashik.

Dr. R. S. Patil, HOD, MBA, SITRC, Nashik.

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Mr. P. S. Garudkar, Assistant Professor, Mech. Engg., SITRC, Nashik.

Mr. Y. R. Falak, Assistant Professor, Mech. Engg., SITRC, Nashik.

Mr. C. R. Patil, Assistant Professor, Mech. Engg., SITRC, Nashik.

Mr. A. P. Borhade, Assistant Professor, Mech. Engg., SITRC, Nashik.

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 college running diploma courses are affiliated to Maharashtra State Board of Technical Education, (MSBTE) whereas the degree colleges have affiliation with Savitribai 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.

For Any Queries feel free to Contact :-

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Dr. Dipen Kumar Rajak -  9470307646

Email : icmmseir@sitrc.org