

Sandip Institute of Technology and Research Centre

An Autonomous Institute

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(Approved by-AICTE, New Delhi, & Govt. of Maharashtra and Permanently Affiliated to

[Savitribai Phule Pune University \(Formerly Pune University\), Pune.](#)

Accredited with “A” grade by NAAC With CGPA Score of 3.11



SANDIP
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CGPA Score:3.11

Department of Mechanical Engineering

Academic Year 2023-24

Report on "3rd International E-Conference on Mechanical and Material Science Engineering: Innovation and Research 2023 (ICMMSE: IR 2023)"

- 1. Event Title:** "3rd International E-Conference on Mechanical and Material Science Engineering: Innovation and Research 2023 (ICMMSE: IR 2023)"
- 2. Event Date:** 12th-13th December 2023
- 3. Event Conduction Duration:** 10.00 AM to 05:00 PM
- 4. Event Venue:** Online Platform, Google meet
- 5. Event Resource Person Details:**

SNo.	Resource Person	Designation & Affiliation
a.	Dr. Bhingole Pramod P	Assistant Professor, in Mechanical and Aero-Space Engineering at Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad, Gujarat, India.
b.	Dr. Anand Gaurav:	Assistant Professor in Department of Mechanical Engineering, at SRMUH, Sonapat.
c.	Dr. Pankaj Koinkar:	Vice Director at Center for International Research and Educational Cooperation (CIREC) and Associate Professor, Department of Optical Science Tokushima University, Japan.
d.	Dr. M V Reddy:	Senior Professional Researcher and group leader in Energy Storage Technology at Nouveau Monde Graphite (New graphite world) (NMG), Quebec, Montreal, Canada.
e.	Dr. Ankur Miglani:	Associate Professor in Department of Mechanical Engineering at IIT Indore, India.
f.	Dr. Deepak Kumar:	Postdoctoral Research Associate at Department of Mechanical Engineering, Carnegie Mellon University (CMU), USA.

6. Name of Event Chairperson: Dr. Sachin G. Ghalme

7. Name of Event Coordinator: Dr. Chandrmani Yadav

8. Aim of Event: The aims of this event are to bring together world's best academicians, scientists,

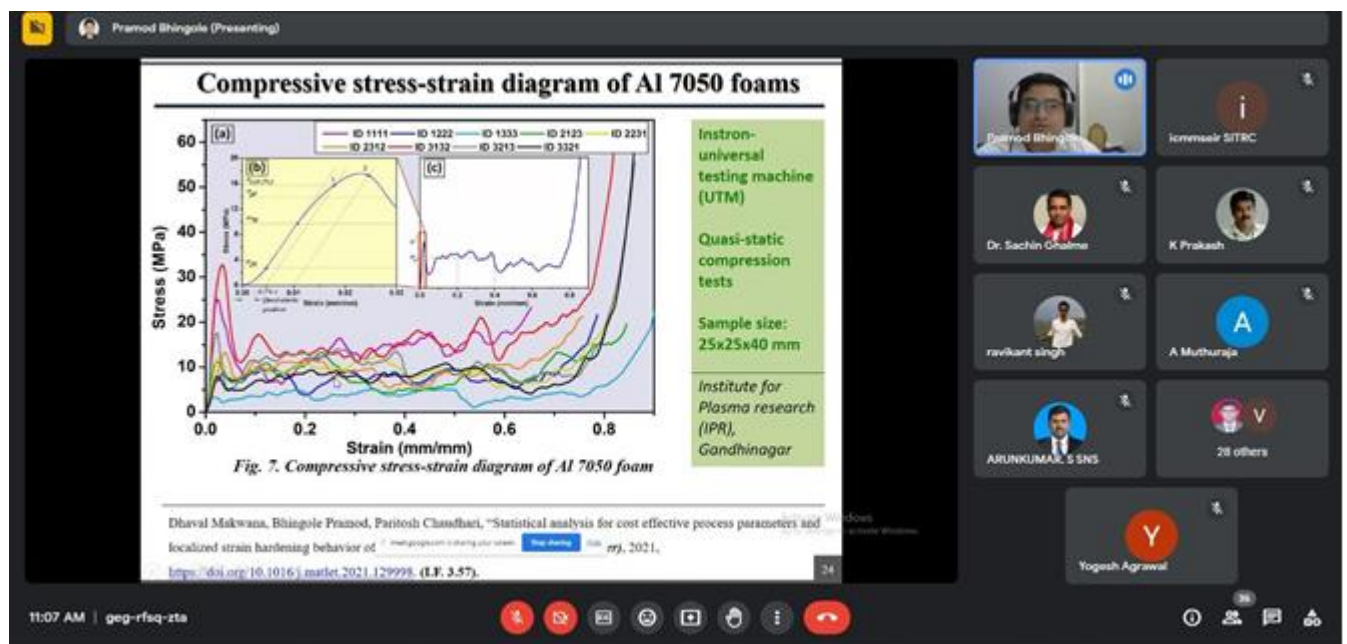
industrial experts, and research scholars from different areas of Mechanical & Materials Science Engineering to focus on emerging fields in these areas and provides opportunity for interaction.

8. Description of Event:

Mechanical Engineering Department, SITRC has organized "3rd International E-Conference on Mechanical and Material Science Engineering: Innovation and Research 2023 (ICMMSE: IR 2023)" on 12th-13th December 2023. The National and International level Keynote speakers have been delivered their valuable speeches on different areas of Mechanical & Materials Science Engineering. The resource persons briefed the Magnesium Alloy Foam Applications, thermoplastic composites materials, advances in Materials for Energy Storage technology, photocatalytic activity of two-dimensional nanocomposite, Pt-Coated Microswitches at Low Contact Voltages and nanofuels. In this conference, several scholars from around the globe also presented their findings. Also, received a good number of qualitative articles for publication. So, whole event was helped the participants for their research/project works regarding to above topics. The vote of thanks was given by Dr. Chandrmani Yadav.

The event was attended by about **132** participants along with HoD Prof. (Dr.) Sachin G. Ghalme, and departmental faculty members.

Event Photos:



Resource person delivered his findings

PHOTOCATALYST
 A photocatalyst is a substance that uses light energy to facilitate a chemical reaction.

In the presence of light and water, photocatalyst creates strong oxidation agent and electronic holes to breakdown the organic matter to carbon dioxide and water.

Chlorophyll of plants is a typical natural photocatalyst. Chlorophyll captures sunlight to turn water and carbon dioxide into oxygen and glucose.

Tokushima University

12:28 PM | geg-rfsq-zta

Resource person delivered his findings

Ankush khansole (Presenting)

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3rd International E-Conference on Mechanical and Material Science Engineering: Innovation and Research (ICMMSE: IR 2023)

The influence of CuO-R152a Nano refrigerant concentration on performance characteristic of Vapor Compression Refrigeration system


Presented by: Ankush B. Khansole


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2:06 PM | usy-jcxa-sza

Participants presented his findings


Dr. Chandrmani Yadav
 Event Coordinator


Dr. S. G. Ghalse
 HOD
 Dept. of Mech. Engg.


Prof. (Dr) M. M. Patil
 Principal,
 SITRC

