

First Announcement/ Call for Papers

**1ST INTERNATIONAL CONFERENCE ON RECENT PROGRESS IN
MATERIAL SCIENCE AND MECHANICAL ENGINEERING
(ICRPMSME 2021)**

May 28th - 29th , 2021



Jointly organized (Online Mode) by



**Metallurgy Engineering Department,
Government Engineering College,
Gandhinagar, Gujarat, India**

**Mechanical Engineering Department,
Government Engineering College,
Patan, Gujarat, India**

Weblink: <http://icrpmsme.gecg28.ac.in/>

ABOUT CONFERENCE

The role of Materials and Mechanical Engineering in the country's economy and socio-environmental development is well established. To deepen and broaden knowledge of research trends in the area it is required to bring together experts from academic institutions, industries, research organizations and professional engineers for sharing of knowledge and expertise. This conference associated with recent trends in the field of material science and mechanical engineering. It presents the various research papers on ongoing progress and latest development in the conference area. The conference is structured as follows: plenary lectures followed by parallel sessions. The plenary lectures will be delivered by eminent personalities of international repute to introduce the theme of the conference. Papers are invited from the prospective authors from industries, academic institutions, R&D organizations and professional engineers. Potential topics to be addressed in this conference include, but are not limited to the following:

- Material Characterization
- Corrosion
- Bio-materials
- Advanced machining processes
- Advanced metal forming, bending, welding & casting techniques
- Composites, Intermetallics
- Advanced materials for different sectors
- Advanced material processing
- Heat Treatment
- CAD/CAM/CAE
- Thermal Engineering
- Nano materials
- Non-destructive Examination
- Powder Metallurgy
- SMART Materials
- Super Alloys

Conference Patron:

1. Dr. S.P.Dave, Principal, GEC-Gandhinagar, India
2. Dr. H.S. Patel, Principal, GEC-Patan, India

Convener:

1. Dr. I B Dave, Professor, GEC-Gandhinagar, India
2. Dr. H N Panchal, Assistant Professor, GEC-Patan, India

Organizing Secretary:

1. Dr. A. B. Dhruv, Professor, GEC-Patan, India
2. Dr. D K Patel, Professor, GEC-Patan, India
3. Dr. Daulat Kumar Sharma, Assistant Professor, GEC-Gandhinagar, India
4. Prof. D. D. Mevada, Assistant Professor, GEC-Gandhinagar, India

Technical and Organising Committee:

1. Dr. K B Pai, Director, ITM Universe, Vadodara, India
2. Dr. Piyush Jain, Principal, SN Patel Inst. Of Tech. & Research Centre, Bardoli, Surat, India
3. Dr. H N Shah, Director, Gandhinagar Inst. of Tech., Gandhinagar, India
4. Dr. Janak valaki, Asso. Professor, GEC- Bhavnagar, India
5. Dr. V. J. Rao, Asso. Professor, MS University, Vadodara, India
6. Dr. Vivek Patel, University West, Trollhättan, Sweden
7. Dr. Jay Vora, Asst. Professor, PDPU, Gandhinagar, India
8. Dr. R K Duchania, Asso. Professor, MNIT, Jaipur, India
9. Dr. Satish Tailor, Chief Scientist, GM-R&D, Metallizing Equipment Company Pvt Ltd Jodhpur
10. Dr. Sekar Saladi, Asst. Professor, Sardar Vallabhbhai Patel Insti. of Tech., Vasad, Gujarat, India
11. Dr. S B Arya, Assistant Professor, NIT Karnataka
12. Dr. Akhilesh Kumar Chaudhary, Mechanical Engineering Department, NIT Hamirpur, India.
13. Dr. K S Reddy, Professor, Heat Transfer & Thermal Power Laboratory, Dept. of Mech Engg, IIT Madras
14. Dr. Ramesh Gardas, Professor, Indian Institute of Technology Madras, India.
15. Dr. Praveen Kumar, Asst. Professor, Indian Association for the Cultivation of Science, Kolkata, India
16. Dr. V V Tyagi, Professor, School of Energy Management, Shri Mata Vaishno Devi Uni., J & K, India.
17. Dr. Adarsh Pandey, Asso. Professor, Res. Cen. for Nano-Mat. & Energy Tech., Sunway Uni., Malaysia.
18. Dr. Mohammad Khalid, Professor & Head of Research Group, Graphene & Advanced 2D Materials Research Group, Sunway Uni., Malaysia.
19. Dr. Rashmi Walwekar, Asso. Professor, Chemical Engg. Department, Xiamen Uni. Malaysia.
20. Dr. Kishor Kumar Sadasivuni, Center for Advanced Materials, Qatar Uni., Qatar.
21. Dr. Medhat Elkelawy. Asso. Professor, Mechanical Power Engg. Department, Tanta Uni., Egypt.
22. Shiva Gorjian, Asst. Professor, Agricultural Engineering, Tarbiat Modares University

Advisory Committee:

1. Dr. G H Upadhyay, Principal, MG Inst. of Tech. Edu. & Research Centre, Navsari, India
2. Dr. Vishvesh Badheka, Professor and Head, Mechanical Department, SoT, PDPU, Gandhinagar
3. Dr. Upender Pandel, Professor, MNIT, Jaipur, India
4. Dr. Anil Kumar, Asso. Professor, Mechanical Engg. Dept., Delhi Technological Uni., New Delhi, India.
5. Dr. Atul Sharma, Asso. Professor, Rajiv Gandhi Institute of Petroleum Technology, Amethi, India.
6. Dr. A E Kabeel, Professor, Mechanical Power Engg. Department, Faculty of Engg.- Tanta Uni., Egypt.

GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

Government Engineering College, Gandhinagar since its inception in 2004 is a front runner into academics. Moreover it is a leading institute in terms of research, social initiatives and services. GEC, Gandhinagar has a very good industrial tie-up and consistent placement record. GEC-Gandhinagar is an active participant in various government schemes and projects like TEQIP-II, RUSA, SSIP, Digital India Campaign, etc. The Metallurgy Department, is a backbone of GEC Gandhinagar's events, research activities and initiatives. Faculty members here are a good blend of industrial/ academic/ research experienced, studied from national and state reputed institutes.

GOVERNMENT ENGINEERING COLLEGE, PATAN

Government Engineering College, Patan was established in April 2004. It is functioning at Katpur village on Chanasma- Patan road 8 kms before Patan with total intake of 480 in five different branches: Computer Engineering, Electronics and Communication Engineering, Mechanical Engineering, Electrical Engineering and Civil Engineering. Mechanical engineering at GEC, Patan equip students with a broad education, preparing them for a variety of career paths graduation and providing a solid foundation for continuing education.

Paper Submission

We invite high quality, state-of-the-art, previously unpublished original research papers. Prospective authors are invited to submit full text papers including results, tables, figures and references. The authors may limit their papers to 10 Pages (For paper template, kindly check the conference website). The authors will then be invited to submit the final papers based on the plagiarism check and recommendations of the reviewers for inclusion into the publications.

Best research papers will be given to each sessions and also given Award certificate as well as chance to publish the article in any of the following journals:

1. Journal of Thermal Engineering (ESCI Indexed Journal)
2. Journal of the Taiwan Institute of Chemical Engineers in "Special Issue on Nanomaterial's for Adsorptive Removal of Contaminants from Aqueous Solutions" (SCIE Indexed Journal , IF: 4.794)
3. Emergent materials (ESCI indexed Journal)

Other Selected papers will be published as Springer book chapter.

Submission link:

<https://easychair.org/conferences/?conf=icrpmsme2021>

Registration

All accepted papers must be registered. Only registered authors are allowed to present the papers.

There is no fees for registration of accepted papers. The plagiarism limit for the paper is less than or equal to 15%.

Contact Details

- | | |
|----------------------------|-----------------|
| 1. Dr. H N Panchal | +91 -9558037440 |
| 2. Dr. I B Dave | +91 -9825559223 |
| 3. Dr. Daulat Kumar Sharma | +91 -9904535914 |
| 4. Prof. D.D. Mevada | +91-7990638240 |

Email: [Conference_gcg@gecg28.ac.in](mailto:Conference_gecg@gecg28.ac.in) Conference Website: <http://icrpmsme.gecg28.ac.in/>

Important Dates

Submission of Full Paper: 31-03-2021

Notification of Acceptance of Full Paper: 30-04-2021

Submission of Revised Final Paper: 10-05-2021

Last Date of Registration: 15-05-2021