

Report of iCMMD2017

The 2nd **International Conference on Materials, Manufacturing and Design (iCMMD2017)** was jointly organized by **Mechanical Engineering Department** of Marathwada Institute of Technology, Aurangabad in collaboration with **Mechanical Engineering Department** of Dr. Babasaheb Ambedkar Technological University (BATU), Lonere during **11th & 12th December 2017**. The conference theme focusing on three major areas of Mechanical Engineering i.e. Materials, Manufacturing and Design has a true blend of engineering fields that covers the major research domain from the industrialization and commercialization view point. As a result of the theme, advisory body and appropriate efforts to give publicity to the conference amongst the stakeholders, the organizers received an overwhelming response in terms of technical/research contributions from almost every part of the country (majorly Maharashtra, Gujrat, Karnataka, Madhya Pradesh, Rajasthan, West Bengal, Tamil Nadu, Orissa, Andhra Pradesh, Kerala, etc.) as well as from a few foreign universities from UAE, Malaysia and Ethiopia.

In total, 150 abstracts and full length manuscripts were received for the conference focusing on various topics related to the themes. Out of the total papers received, 48 papers were of manufacturing, 22 papers were of materials, 26 papers were of design engineering and 06 papers of interdisciplinary nature were received. This kind of wide participation was an evidence of the relevance of the selected themes. A team of 36 reviewers including representing faculty, and researchers has helped for conducting peer review of the manuscripts which resulted in selection of 102 final papers for the presentation in the iCMMD2017. Subsequently 85 manuscripts were qualified through the peer review process to be published as a special issue in the form of conference proceedings in the **Procedia Manufacturing (ELSEVIER)**.

The very objective of the conference was to provide a platform to the academicians, researchers and industry professionals to discuss the relevant and recent technologies as to nurture the research environment in the domain of Mechanical Engineering. Moreover, the eminent key note speakers have presented his research contributions in the cutting edge technologies being researched worldwide. Their views were found to be useful and guiding force to the budding researchers to explore the new avenues and research opportunities in the field. The Conference Proceedings that will be published in *Procedia Manufacturing* would serve as a comprehensive compilation of the present knowledge and research findings and will be highly useful for researchers and engineers.

The actual event was scheduled and executed on 2 days i.e. 11th and 12th December, 2017 in **Marathwada Auto Cluster, Waluj, Aurangabad** in order to have more participation and involvement from the industries near and around the city. On the first day the inaugural function was held and following dignitaries from academics and research, as well as industries were present for the function.

1. Prof. K.P. Rajurkar, Distinguished Professor, University of Nebraska-Lincoln, USA as guest of honor, who has delivered the keynote address.
2. Prof. P.K. Brahmkar, Retired Professor in Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University (BATU), Lonere was chief guest for the function.
3. Prof. Munish Sharma, Director General, Marathwada Institute of Technology, Aurangabad had presided the function.
4. Shri. Prasad Kokil, President, Chamber of Marathwada Industries and Agriculture (CMIA) Aurangabad was present as industry representative in the function.
5. Mr. Amit representing GIZ (a German based organization, working for enhancing the Industry-Institute interaction and having presence in many countries including India) was also present for the function.
6. Prof. N.G. Patil, Convenor iCMMD2017 and Principal, Marathwada Institute of Technology, Aurangabad was present for the function.
7. Dr. R.S. Pawde, Convenor iCMMD2017 representing Dr. Babasaheb Ambedkar Technological University (BATU), Lonere was present for the function.
8. Dr. S.V. Lahane, and Dr. P. U. Zine, the Organizing Secretaries, iCMMD2017 were present for the function.

The inaugural function began with Saraswati Poojan followed by floral welcome of the guests. The conference souvenir was released at the beginning at the auspicious hands of all the dignitaries on the dias.

The inaugural function was followed by the keynote address. Professor K.P. Rajurkar, from University of Nebraska-Lincoln, USA has delivered the keynote address. In his speech, he revealed the current research opportunities relevant to biomedical engineering focusing on the development of composite materials that works smartly for the field application. This was followed by paper presentations by the authors in the three separate sessions which were organized parallel in three halls for the entire day. A total of 56 presentations were delivered by the authors on the first day.

On the second day i.e. 12th December, 2017, a plenary session by Prof. D.G. Thakur, Associate Professor from Defense Institute of Armament Technology, Pune was organized. Dr. Thakur has shared his research contributions in association with defense and research organizations focusing on the materials, design and manufacturing aspects. This was followed by the paper presentations by the conference participants in the three parallel sessions. A total of 28 presentations were delivered by the participants on the second day of the conference.

In total, 140 delegates including authors, academic representatives and industry participants have attended the conference. The valedictory function was organized on the 2nd day of the conference where the conference delegates were awarded with the certificates. The conference participants have shared their feedback with the organizers about the organization of the conference, event

management, hospitality, food arrangement and expectations from the 3rd ICMMD which would be held in future.

Some glimpses of the conference follow here.



Figure 1 Delegates during Keynote address



Figure 2 Professor K. P. Rajurkar delivering Keynote address



Figure 3 Souvenir Release