

Lecture Notes in Mechanical Engineering

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Ashish Gupta
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Preface

International Conference on Computational and Experimental Methods in Mechanical Engineering (**ICCEMME-2021**) has been the third conference of its series organized by the Department of Mechanical Engineering of GL Bajaj Institute of Technology and Management, Greater Noida, Uttar Pradesh, India. The institute is located in the vicinity of the industrial hub. Therefore, it was decided to provide a forum to bring together scientists, speakers from industries, university professors, graduate students, and mechanical engineers, presenting new research in science, technology, and engineering.

The motive of this conference was to provide an opportunity to share their innovative ideas in the form of a paper presentation. Research articles were based on Design Engineering areas such as modelling and simulation, application of modelling to complex real-world systems, application of machine or deep learning in mechanical problems, artificial intelligence, vehicle design, Robotics, vehicle dynamics and control, biomechanics, and vibration-related problems. During the conference, about 10 delegates joined from various countries and delivered a keynote lecture on the theme of the conference. All papers were critically reviewed by two reviewers from national/international authors.

Furthermore, we, ICCEMME, would like to extend our appreciation to all the authors for contributing their valuable research to the conference. The committee is also grateful to all reviewers who spared their time to carefully review all the assigned research articles and to all the committee members for their great effort in making this conference a great success.

We are thankful to all sponsored agencies who gave us their cooperation and funding support.

We are thankful to our management and director of GL Bajaj Institute of Technology and Management, Greater Noida, Uttar Pradesh, India, for their continuous source of inspiration and valuable support. We are thankful to all the members of the organizing committee for their contribution in organizing the conference. Last but not least, we thank Springer for its professional assistance and particularly Ms. Priya Vyas and Ms. Sushmitha Shanmuga Sundaram who supported this publication.

Hanamkonda, India
Varanasi, India
Delhi, India
Greater Noida, India

Bangarubabu Popuri
Amit Tyagi
N. R. Chauhan
Ashish Gupta

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