

## Preface

2018 The 5th International Conference on Mechatronics and Mechanical Engineering (ICMME 2018) was organized at China University of Geosciences, Wuhan, China during November 10-12, 2018. ICMME 2018 was sponsored by School of Mechanical & Electronic Engineering of China University of Geosciences, Wuhan with support from Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, India; University of Malaya, Malaysia; Universiti Teknologi, Mara, Malaysia and Universiti Sains Malaysia, Malaysia.

The general theme of the conference being Mechatronics and Mechanical Engineering, papers were submitted from all over the world in the domains of Mechanical Design Manufacturing and Automation, Modern Electronic System & Measurement and Control Technology, and Electronic Power and Intelligent Control. Out of the 75 submitted papers, 42 papers and 1 abstract were accepted for presentation after peer review by international reviewers who were drawn from the technical committee members as well as other external reviewers invited from all over the world. Among the accepted papers, 24 were selected for oral presentations and 19 as posters. These papers were distributed over 3 oral and 1 poster sessions. The papers were broadly dedicated to the areas related to mechanical engineering, mechatronics, automation, intelligent control, electronic systems, aerodynamics, aerospace systems and technology, applied mechanics, computational fluid dynamics, design and manufacturing, etc.

In addition to those contributory paper sessions, 3 Keynote and 2 Invited speeches were delivered by eminent researchers from China, Singapore, India and Malaysia. The talks ranged from the domains of Intelligent Manufacturing and Industry 4.0, to Infrared Sensors and Blended wing Body Aircraft. The talks enriched and expanded the knowledge horizon of the researchers attending the conference. Besides, the best papers of each oral session were selected and awarded.

The objective of the conference being to bring academic and industrial researchers together to exchange and share their experiences and research results, and discuss the challenges encountered and the solutions adopted. Overall, the conference was a grand success. The participants were immensely benefitted by presenting and interacting among themselves as well as with the experts. Some of them planned collaborative research activities. The proceedings of this conference, including all 42 full papers are compiled and published by MATEC Web of Conferences and Trans Tech Publication Inc.

The success of such an event was due to harmonious contributions of various stakeholders including the Conference and Program Chairs, the technical committee members, the keynote and invited speakers, the local organizing committee members, the sponsors, the endorsers and the researchers attending the conference. Our sincere thanks to all of them. Last but not the least, warm thanks are due to the publishers for printing and publishing this Proceedings in such a beautiful form.

We look forward to seeing all of you next year at ICMME 2019.

Conference General Co-Chair

**Prof. Puneet Tandon,**

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