

PREFACE

The 3rd International Conference on Design, Analysis, Manufacturing and Simulation, ICDAMS 2018, was organized during 6-7 April 2018 by the Departments of Mechanical and Automobile Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai, INDIA. This conference was intended to provide a common platform to bring together researchers, engineers, scientists, and scholars to exchange and share their experiences, new ideas, and research results about all aspects of Mechanical Engineering. ICDAMS 2018 was successful in establishing a better rapport and cooperation between the academic institutions, the industries and the research establishments.

We are humbled by the overwhelming patronage from delegates across the globe and eventually ICDAMS 2018 had attracted 368 papers. After scrutiny by our Technical Committee, 180 papers (39 papers in Design Engineering; 25 papers in Manufacturing Engineering; 23 papers in Materials & Processing; 59 papers in Thermal Engineering; 11 papers in Industrial Engineering; 13 papers in Interdisciplinary and 10 papers in Bio-Engineering) have been short listed for Oral Presentation and 48 papers have been recommended for publication in MATEC Web of Conferences (Scopus Indexed). From the International arena, ICDAMS 2018 received papers from 11 countries namely New Zealand, Russia, Lithuania, Bahrain, Botswana, Egypt, Malaysia, Nigeria, Ethiopia, Indonesia and India.

The conference facilitated keynote address by eminent people from reputed academia, Industries and research organizations from both within and outside the country. Totally 15 technical sessions were held during this event. The feedback from the participants was encouraging and many of them expressed their willingness to participate in such future conferences to be held at SIMATS. ICDAMS2018 culminated as a successful event in integrating researchers across the globe to bring about an integrated approach towards creating a more comfortable world by establishing better rapport and cooperation between the academic institutions, the industries and the research establishments.

An event of this dimension is the culmination of many individuals. I wish to register my heartiest thanks to all the ICDAMS 2018 organizing committee members for extending their valuable time & effort and to all the International and National Advisory Members, Authors, Reviewers, Sponsors and Contributors for their sparkling efforts and their belief in the success of ICDAMS 2018. Also I am deeply indebted to EDP Sciences for excellently bringing out this conference proceedings through the MATEC Web of Conferences.

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Convener, ICDAMS2018