

## Preface

On behalf of the ISCAME Scientific and Organizing Committee, we are pleased to present the proceedings of "10th International Scientific Conference on Advances in Mechanical Engineering (ISCAME 2024)". The conference was organized by the Department of Mechanical Engineering, Faculty of Engineering of the University of Debrecen, the Working Commission of Mechanical Engineering (Specialized Committee in Engineering, Regional Committee in Debrecen, Hungarian Academy of Sciences) and the Scientific Association for Mechanical Engineering. The ISCAME is part of the 10th Mechanical Engineering Days.

The main goal of ISCAME was to bring together engineers who work on research, development, and practical application in the field of mechanical engineering. Furthermore, the purpose of this edition was to provide opportunities for scientists and engineers to meet and to discuss current research, new concepts and ideas and establish possibilities for future collaborations in all aspects of mechanical engineering.

“10th International Scientific Conference on Advances in Mechanical Engineering” had an important impact on the research in all topics included in its program. We invited successful researchers from foreign universities and institutes to present their latest research results in plenary lectures. ISCAME's accompanying programs included an exhibition titled (H)őskorunk, Gépészsmérnöki Tanszék múltja képeiben, two cultural programs, and an excursion.

We want to express our appreciation to all members of the committees involved in the preparation of this conference and to all the staff who are managing the different aspects of the conference and to all the contributing authors and participants who will create the real conference. Project no. MEC\_SZ\_149279 has been implemented with the support provided by the Ministry of Culture and Innovation of Hungary from the National Research, Development and Innovation Fund, financed under the Mecenatúra funding scheme.

Yours sincerely,

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