Preface

The 2nd International Scientific-Practical Conference "Machine Building and Energy: New Concepts and Technologies" (MBENCT 2023) was held on December 4-5, 2023, at the Azerbaijan Technical University (AzTU) in Baku (Azerbaijan) and was organized by AzTU, Brandenburg University of Technology Cottbus–Senftenberg (Brandenburg, Germany) and Gazi University (Türkiye).

The activity of the conference is focused on the search for development prospects of enterprises in the fields of machine building and energy, new scientific and production solutions, technologies, economically efficient production areas in the current situation, comprehensive discussions on the formation and development of small and medium-sized businesses in the manufacturing sector, as well as the cooperation of higher education institutions with companies and enterprises, and the establishment of mutual relations with prestigious science schools and enterprise managers.

This specific edition of the selected papers from MBENCT 2023 will be useful to engineers from mechanical engineering, ecology protection, power engineering, mechatronics and engineering management.

Employees of 37 enterprises from different countries participated in the conference. The geographical diversity by countries covered Azerbaijan, Germany, Sweden, Russia, Türkiye, Belarus and Kazakhstan.

We are deeply grateful to MBENCT 2023 Co-Chairs, International Program Committee and Organizing Committee members, invited speakers, reviewers and conference participants for their valuable contributions to the successful organization of MBENCT 2023. Also, we would like to express our special thanks to Trans Tech Publications Ltd., Switzerland, for the support in publishing the articles from MBENCT 2023.

Best regards,

Prof. Vilayat Valiyev, Chairman of MBENCT 2023

Prof. Nizami Yusubov, Executive Secretary of MBENCT 2023

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