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EDITORIAL

Foreword

This special issue contains selected papers presented at the conference *Modern Materials and Manufacturing 2023 (MMM2023)*, which hosted the 14th International DAAAM Baltic Conference and the 30th International Baltic Conference BALTMATTRIB 2023. The conference was organized by Tallinn University of Technology (TalTech) on 2–5 May 2023 in Tallinn, Estonia, and it welcomed over 160 participants from 13 different countries: Estonia, Latvia, Lithuania, Germany, Finland, Denmark, United States of America, Austria, Turkey, Italy, France, Czech Republic and Armenia. The conference was divided into two science days and one industry day, attracting worldwide interest and active participation from researchers of national and global technical communities.

The conference *Modern Materials and Manufacturing* is an international forum focused on Industry 4.0, robotics and manufacturing engineering, IoT, digital twins and additive manufacturing, materials engineering, powder metallurgy and tribology, bringing together materials and manufacturing experts from universities and industry. It encourages new collaboration between different partners not only from academia but also from national competence centres, industry and funding bodies. Our society needs engineers and managers with technological knowledge, global vision and professional management knowledge in order to meet the challenges of the new age. We provide a meeting point for scientists, entrepreneurs and industry specialists for the exchange of future visions based on scientific research and case studies.

The conference technical programme included presentations of the results of scientific and engineering research in important areas of manufacturing and materials engineering as well as materials processing technologies, with particular emphasis on the current trends in the development and application of advanced materials and processes.

The organizing committee believes that this issue will be a valuable resource not only for the participants of *MMM2023* but also for the whole research community in the field of materials and manufacturing engineering.

Kristo Karjust
Conference Chair