

Preface

This issue of the Archives of Mechanics contains a selection of papers presented at the 43rd Solid Mechanics Conference (SolMech 2024) held in Wrocław, 16–18 September 2024.

The Solid Mechanics Conferences are a series of biennial international conferences, which have been organised by the Institute of Fundamental Technological Research of the Polish Academy of Sciences (IPPT PAN) since 1953. This edition of the conference series was organised jointly with the Wrocław University of Science and Technology, and it was held at the university's Congress Centre situated on the premises of the Main Campus.

The conference gathered 273 participants from 23 countries, and a total of 238 abstracts were accepted and presented. The conference programme included six plenary lectures and 15 thematic sessions with 18 keynote lectures. The conference provided an excellent opportunity to present and discuss scientific results on a wide range of topics related to solid mechanics.

On behalf of my colleagues co-chairing the conference, Prof. Piotr Kowalczyk, Prof. Dariusz Łydzba, and Prof. Celina Pezowicz, as well as on behalf of the Scientific Committee and the International Advisory Board of the SolMech 2024 conference, I would like to thank all the authors, with special gratitude to the plenary and keynote lecturers, as well as the organisers of the thematic sessions, for their valuable contributions to the success of the conference.

Warsaw, August 2025

Jerzy Rojek
Co-Chair of SolMech 2024