

## Preface

This issue of the Archives of Mechanics contains a selection of papers presented at the 40th Solid Mechanics Conference (SolMech 2016) held in Warsaw, August 29–September 2, 2016. The series of Solid Mechanics Conferences have been organized by the Institute of Fundamental Technological Research of the Polish Academy of Sciences since 1953. The chairman of Polish Solid Mechanics Conferences since its inception in the year 1953 until 1970 was professor Waław Olszak (1902–1980). He was also one of the co-founders of the Institute of Fundamental Technological Research of the Polish Academy of Sciences in 1952. Therefore, he was chosen as a patron of this conference.

The aim of the meetings is to bring together the researchers from different countries and offer them the possibilities for the presentation of scientific results from a wide area of solid mechanics. The SolMech 2016 Conference gathered 236 participants: 86 from abroad and 150 from Poland. The program of the Conference included 7 invited plenary lectures and 18 keynote lectures. During the Conference a special session was organized in memory of Professor Bogdan Raniecki. It is also noteworthy to mention the special session devoted to the anniversary of Professor Zenon Mróz, who served also as the Honorary Chairman of the conference. The program of the conference with all thematic sessions, invited plenary lectures, as well as sectional lectures and contributed papers together with the abstracts, is available on the conference website: <http://solmech2016.ippt.pan.pl/>.

On behalf of the Scientific and Organizing Committees of the 40th Solid Mechanics Conference I would like to thank all the Authors who have contributed to the Conference and to this special issue of Archives of Mechanics. Also the support and the active engagement of all members of the International Advisory Board are appreciated.

Warsaw, July, 2017

Ryszard Pełcherski

*Chairman of the 40th Solid Mechanics Conference*