

FROM THE EDITORS

The present issue of *JTAM* (Vol. 58/2020, No. 2) is entirely devoted to the 4th Polish Congress of Mechanics jointly organized with the 23rd International Conference on Computer Methods in Mechanics (together as the PCM-CMM 2019), on September 8-12, 2019 in Cracow, Poland.

The Polish Congress of Mechanics (PCM) was established in 2005 as an initiative of the Polish Society of Theoretical and Applied Mechanics (PTMTS) based on the personal experience of the Polish scientists and academic institutions organizing the 21st International Congress of Theoretical and Applied Mechanics ICTAM 2004 in Warsaw, Poland. That successful conference brought international appreciation for the organizers headed by Professor Witold Gutkowski (†2019, Honorary Member of PTMTS) and support for the idea of PCM. The support by GAMM was expressed by the Vice-President, Professor Reinhold Kienzler (Honorary Member of PTMTS) who participated in the 1st PCM, 2007 in Warsaw, as an invited speaker. The second PCM was organized at the Poznań University of Technology in 2011 and the third one in Gdańsk (2015, Gdańsk University of Technology) – in a fully international formula of PCM-CMM 2015, jointly supervised by the Polish Society of Theoretical and Applied Mechanics and the Polish Society of Computer Methods in Mechanics. That partnership produced synergy and was successfully continued in 2019 in Cracow. PCM-CMM 2019 attracted more than 500 participants and considerably contributed to the development of mechanics and international scientific collaboration in the field. This post-congress issue contains 23 articles reflecting research that had been presented at PCM-CMM 2019 in form of selected plenary lectures, mini-symposia and thematic sessions including keynote speeches as well as poster presentations developed to full-size articles. All of them have been reviewed within the standard editorial procedure of *JTAM*. The topics being presented here indicate problems in mechanics and related disciplines like robotics and control of systems, that attract attention of scientists and are important for technological innovations and their applications in modern industry.

We would like to thank all the authors of articles in this issue for submitting their post-congress papers and thus contributing to the publishing output of *JTAM*.

The Organizers are grateful to the Ministry of Science and Higher Education of Poland for financial support of the Congress aiming at increase of the scientific quality, impact and international reputation and broader participation in PCM-CMM 2019 of young scientists.

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