

From the Guest Editor

At the end of November 2018, the XIII All-Russian Scientific Conference "Current Issues of Continuum Mechanics and Celestial Mechanics" (CICMCM'2018) was held at Tomsk State University. The CICMCM conference was organized in 2010, with the first event being held as part of the All-Russian Festival of Science (Russian analogue of the Nights of Science in Europe). During the existence of the conference, 7 volumes of selected papers were published in the scientific journal Work of Tomsk State University/Physical and Mathematical series. In 2017, selected conference papers were published in the international scientific publishing house IOP Publishing. At the moment, the next volume in the same Publishing House is being prepared.

This year the conference was dedicated to the 140th anniversary of Tomsk State University – the oldest Siberian University. Our annual event brought together mechanics from more than 20 scientific organizations in Russia. More than 100 reports were presented in the framework of five conference sessions from leading Russian universities and scientific organizations. The Supplement contains 25 articles that have been thoroughly selected and reviewed. The overwhelming majority of the works were supported by various scientific foundations, such as the Russian Foundation for Basic Research (RFBR), the Russian Scientific Foundation, and the Council on Grants of the President of Russia. Scientific results were obtained using modern experimental and theoretical research methods, including those produced in Russia.

The program committee of the conference hopes that in the future our event will become a platform for conducting international scientific research within the framework of European programs, for example, Maria-Skladovskaya Curie Action. I thank all the authors of papers, as well as the reviewers working on the articles. I also wanted to thank the Serbian Society of Thermal Engineers, the *Thermal Sciences* journal, and personally the Editor-in-chief emeritus Simeon Oka for helping to publish this Supplement.

Guest Editor

Prof. Maxim Yu. Orlov
Research Institute of Applied
Mathematics and Mechanics,
Tomsk State University,
Tomsk, Russia