Preface

The key point of modern mechanical engineering development is the modernization of existing and development of new technologies for production and processing of various structural materials. Development of technologies and creation of new materials are interdependent and mutually stimulating processes requiring that researchers and engineers constantly use high-tech and interdisciplinary approaches in their work. Continuous improvement of traditional and development of new materials and technologies coupled with wide use of nanotechnology and application of the computational experiment in the practice of engineering simulation and design are the characteristic features of the modern mechanical engineering development.
The results of research and engineering development presented in this volume of the journal definitely meet the requirements of modern production and will be useful and interesting to a wide range of engineers and researchers in the field of applied materials science, development and creation of technological processes, control and robotics.

I want to express special thanks to members of the Editorial Board and to all the reviewers for their invaluable input in preparing this issue of "Advanced Engineering Forum".

Managing Director of journal,
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