Special Issue

Multibody Systems with Flexible Elements, 2nd Edition

Message from the Guest Editors

Multibody systems with flexible elements represent mechanical systems made by many elastic (and rigid) bodies interconnected meeting a functional, technical or biological assembly. The displacements of each or some of the elements of the system are generally large and cannot be neglected in mechanical modeling. The systematic treatment of the dynamic behavior of interconnected bodies has led to an important number of formalisms for multibody systems within mechanics. At present, this formalism is used in large engineering fields, especially in robotics and vehicle dynamics. The formalism of multicorp systems offers a means of algorithmic analysis, assisted by the computer, and a means of simulating and optimizing an arbitrary movement of a possible high number of elastic bodies in the connection... You may read more details here: https://www.mdpi.com/journal/symmetry/special_issues/7O98637688

Guest Editors

Prof. Dr. Sorin Vlase
Prof. Dr. Marin Marin
Prof. Dr. Maria Luminița Scutaru

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Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

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Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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