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Symmetry in Mechanical Engineering

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Deadline for manuscript
submissions:

closed (30 November 2019)

Message from the Guest Editors

Dear Colleagues,

This Special Issue invites original research papers that report on the state-of-the-art and recent advancements in mechanical engineering: measurement, fault diagnosis, construction, operation and maintenance of machines, vibration, noise, smart-material systems, integrated systems, stresses, deformations, mechanical properties, signal processing of mechanical systems, fault diagnosis of machines, shafts, springs, belts, bearings, gears, rotors, rotor dynamics, and machine elements. This Special Issue encompasses applications in mechanical engineering, modelling methods for rigid-body mechanics, structural mechanics, impact mechanics, strain localization, tribology, and thermodynamics. Review articles related to mechanical engineering are also encouraged.



mdpi.com/si/20712

Special Issue



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Message from the Editor-in-Chief

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.

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