

Symmetry and Its Application in Industrial Engineering

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The occurrence of phenomena or symmetric geometries is common when observing behavior in industrial systems. The treatment and analysis of the symmetrical nature of the operations, processes and/or systems that make them up can allow them to be understood in a more comprehensive way. The behavior of industrial systems and the application of symmetry can be approached at multiple levels, from the perspective of production to the microscale material behavior level. The aim of this Special Issue is to encourage the publication of original research papers in a wide variety of fields related to industrial engineering, in which theoretical or practical results of symmetry can be applied. We are soliciting contributions (research and review articles) covering a broad range of topics on symmetry and its application on engineering, including (though not limited to) the following: 1) inspection or geometric modeling of symmetry features in all kinds of produced parts (transport, electronic, mechanical civil, aeronautic, etc. applications); 2) symmetrical design and circular economy processes; 3) continuous process modeling...



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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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