Symmetry, Finite Element Analysis, and Intelligent Sensing and Monitoring: Applications in Engineering

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Message from the Guest Editors

This Special Issue aims to synthesize state-of-the-art developments in the area of finite element analysis, symmetry modelling, and intelligent sensing. Papers related to the new developments of finite element analysis with respect to theoretical, computational, models and experimental techniques, as well as their applications in science and technology, will be considered.

Papers that cover a broad range of issues including (but not limited to):

1. Finite element analysis;
2. Multi-sensor measurement;
3. Structural health monitoring;
4. Deformation analysis;
5. Intelligent sensing;
6. Geometric modelling.

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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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