Special Issue

Symmetry in Structural Model and Engineering Test Analysis by Using Monitoring Sensors

Message from the Guest Editor

Many structures have good geometric symmetry and mechanical symmetry, so symmetry has been an important concept in structural model tests and engineering tests. Using symmetry, structural models or finite element models can be greatly simplified, which can speed up the analysis time of structural models and reduce the cost of model tests. At present, various sensing technologies such as optical fiber sensors and piezoelectric sensors have been widely used in structural or environmental monitoring. The number of sensors, the complexity of sensor networks, and the ability of structural analysis have become important indicators in the monitoring system. We are soliciting contributions (research and review articles) covering a broad range of topics on various optical fiber sensors, piezoelectric sensors, laser gas sensors, and applied structural model analysis and engineering test analysis, including (though not limited to) the following keywords.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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