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Symmetry in Building Model

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Dear colleague,

Symmetry is an important characteristic of many historical and modern buildings all over the world. For buildings, symmetry is mostly reflectional and rotational. With the recent development of building models constructed with different techniques such as laser scanning and digital photogrammetry in the form of geo-referencing, structure from motion, and simultaneous localization and mapping (SLAM), a building's symmetry can be further recorded and investigated. The symmetry can be analyzed in terms of structural mechanics, geometry, cultural aspects, aesthetics and so on. This Special Issue aims for contributions that report recent advances in realizing, modeling, and analyzing a building's symmetries, including multidisciplinary development related to the building information model (BIM).

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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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