



Applications of Graph Theory, Discrete Mathematics and Symmetry in Science, Technology and Art

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Message from the Guest Editors

Dear Colleagues,

As Guest Editor, I invite authors to publish original papers in this Special Issue of *Symmetry* titled “Applications of Graph Theory, Discrete Mathematics and Symmetry in Science, Technology and Art”, regarding interdisciplinary, innovative and creative applications of the graph theory, discrete modeling and symmetry in science, technology, architecture and art.

Topics should focus on mechanical problems related to engineering obstacles as well as the application of the graph theory to model hydraulic, dynamic and flow systems and mechatronics, the theory of machines and mechanisms, automation and robotics and computer-aided design systems in the broad sense:

- Related to graph-based methods used in medical analysis and biological and chemical modeling;
- Containing various topics, e.g., the analysis of author's dramas, application of the graph theory in architecture and music;
- Related to the application of symmetry in engineering sciences, in electrical, mechanical, computer, telecommunication and civil engineering (transportation, hydraulics, etc.), as well as in automation and robotics...





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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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