Special Issue

Symmetry and Asymmetry Studies on Graph Data Mining

Message from the Guest Editors

Graph data mining has become one of the most popular research topics in the field of data mining, such as graph deep learning and graph neural networks. However, symmetry and/or asymmetry, which are key structural properties in complex graphs, are often ignored by state-of-the-art graph mining studies. Aiming to address this problem, this Special Issue will focus on new theories, approaches, models, as well as applications of graph mining on complex graph data under symmetry and/or asymmetry. Our goal is for this Special Issue to promote new approaches among the graph data mining community.

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Symmetry

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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.

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