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Frontiers in Computational Geometry

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Message from the Guest Editors

Computational geometry is a discipline of computer science devoted to the study of problems which can be stated in terms of geometric objects, such as points, lines, circles, and other structures in geometric spaces. It has successfully been developed and grown since the 1970s with the beauty and symmetry unveiled from geometry and its remarkable scientific achievements: efficient algorithms for practical problems, combinatorial discoveries on important geometric structures, and their applications to a broad range of science and engineering fields, including computer graphics, computer vision, computer-aided design and manufacturing, pattern recognition, wireless networks, spatial databases and geographic information systems, and bioinformatics.

The aim of the present Special Issue is to promote research that lies at the frontier of computational geometry, both in theory and applications. We are soliciting research and review articles covering a wide range of topics on computational geometry.

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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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