



## Symmetry of Perception and Behaviour

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### Message from the Guest Editors

Symmetry is ubiquitous in our everyday life. Many objects are symmetrical, and their surfaces are often covered with symmetrical patterns. The visual aesthetics of symmetry have been well regarded in art, and the sensitivity of the visual system to symmetry has frequently been studied in visual science. Our sensitivity to symmetry often rests on teleological explanations, but recent studies have shown that the visual system makes use of the symmetry of objects and patterns to perceive them veridically. We now possess computer vision theories and models that are based on the symmetry of objects and patterns. This Special Issue is devoted to empirical and theoretical studies of the role symmetry plays in human, computer, and animal vision in our everyday life.





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## Editor-in-Chief

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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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