

# Special Issue

## Symmetry in the Creative Act

### Message from the Guest Editors

Dear colleagues, Creative acts are possible by accepting something outside the cognitive world, although it looks as if the act of creation resulted from the inside of the creator. To accept something from the outside, one perpetually attempts to constitute hypotheses and arrange data in the form of an inference. This implies the existence of symmetry between actively constituting hypotheses and passively receiving data. One can see various dynamic symmetries between the active and passive in inference, cognition, and/or the creative act itself. In more generalized Bayesian inference, one can see the symmetry between replacing probability with conditional probability and vice versa. In creating artistic works, there can be symmetry between a plan and its implementation, and between the virtual and the real. For this Special Issue, all contributions along these lines are welcome.

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### Deadline for manuscript submissions

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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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