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Supersymmetry

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Deadline for manuscript
submissions:

closed (30 April 2012)

Message from the Guest Editor

Manuscripts regarding supersymmetry and related fields are invited for this Special Issue of Symmetry. For decades, supersymmetry (SUSY) has provided an elegant candidate for physics beyond the standard model. Indeed, experimental confirmation of supersymmetric models remains elusive for the moment. On the other hand, supersymmetry has proven very important beyond its application to particle physics, e.g., it has great influence in the development of mathematics, pure and applied.

Other important topics include studies of string theory, conformal theories, AdS/CFT correspondence, supersymmetric quantum mechanics, integrability, and $N=4$ supersymmetric Yang–Mills theory.



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Special Issue



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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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