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Theoretical Issues on Systems Science

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Message from the Guest Editors

Dear Colleagues,

The concept of systems has been elaborated across almost all disciplinary fields, which allows for interdisciplinary approaches. Research on complex systems has focused, for instance, on models and simulations of processes of emergence, self-organization, and chaos theory.

It is time to theoretically specify various new directions in systems science. The purpose of which is to find higher-level invariants in complex systems, their relations, and their roles in simulations.

Examples of the theoretical issues to be elaborated are: Theoretical incompleteness, Equivalences, Multiplicities, Quasi-systems, Communities of coherences, Re-emergence, Pending systems, Logical openness, Meta-structures, Quantum systems, Remote synchronization, Chaos theory, and The physical role of complex numbers.

The purpose of this Special Issue is to review and introduce open theoretical systems issues, while considering their relations and related models.

Contributors are invited to present approaches, cases, models, proposals, and theoretical frameworks to deal with theoretical challenges.

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Special Issue



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Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

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