Special Issue

Computational and Statistical Physics Approaches for Complex Systems and Social Phenomena

Message from the Guest Editor

This Special Issue focuses on investigations of complex systems using methods from statistical physics and computer simulations. Statistical physics is found to be a very efficient tool to study the behavior of human individuals in society, provided appropriate interactions between them are different from those between particles [see for example discussions in Ref. 4 and 5]. In addition, the interpretation of physical parameters in terms of human behavior is also a challenge for the time to come. We invite contributions to this Special Issue from researchers who study complex systems with the use of statistical physics and computational methods such as Monte Carlo simulation. Contributions may be original papers or reviews.

Guest Editor

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Editor-in-Chief

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