Special Issue

Statistical Physics of Opinion Formation and Social Phenomena

Message from the Guest Editor

The aim of this Special Issue is to provide original and recent investigations on sociophysics—in particular, on opinion dynamics. We encourage the submission of articles on emerging topics such as high-order interactions in networks (simplicial complexes), coupled social and disease processes applied to the COVID-19 pandemic, the inclusion of emotional arousal, data analysis based on social networks, and comparisons and/or validations of models with real data. Works may implement tools such as agent-based models, Monte Carlo simulations, information theory, entropy concepts, and machine learning techniques. Both review papers and regular articles are welcome. **Keywords**:

- sociophysics
- opinion dynamics
- stochastic processes
- agent-based models
- networks
- simplicial complex
- computational methods for social sciences
- statistical physics approaches for social dynamics

Guest Editor

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Message from the Editor-in-Chief

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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