Special Issue

Statistical Physics Approaches for Modeling Human Social Systems

Message from the Guest Editors

This Special Issue will focus on both the methodological advancements and practical applications of these approaches, highlighting the broad relevance of statistical physics in addressing pressing questions in the social sciences, economics, and beyond. Submissions addressing real-world complexities, non-stationarity, and large-scale data analyses are welcome. Topics include but are not limited to:

- complex systems
- statistical mechanics
- social systems
- social networks
- human dynamics
- agent-based modeling
- data-driven modeling
- human mobility patterns
- innovation diffusion
- socioeconomic systems
- dynamics on/of networks
- political polarization

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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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