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Statistical Physics and Complex Systems

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Statistical physics deals with systems that are composed of many interacting degrees of freedom. Starting from microscopic models, it can describe and predict emergent behavior at a macroscopic scale. Therefore, it is no surprise that statistical physics has been one of the most effective modeling tools for studying complex systems. Complex systems and phenomena are ubiquitous. They can span multiple length scales from non-trivial topological features in large-scale networks to collective phenomena at the microscopic scale. The salient features of complex systems include numerous interacting parts and the ability to selforganize without centralized control, which often results in properties greater than the sum of its parts. This Special Issue aims to gather articles reflecting the latest developments in the broad area of complex systems and elucidate the discipline's future course. Original research papers with an interdisciplinary focus are particularly encouraged. Authoritative review articles that describe the present state of the art are also welcome.

Dr. Atanu Chatterjee Guest Editor











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Editor-in-Chief

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Message from the Editor-in-Chief

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