

Special Issue

Complexity of Social Networks

Message from the Guest Editors

Social networks are characterized by heterogeneous structures, nonlinear dynamics, and evolving interactions among individuals, groups, and communities. Studying these networks is essential for understanding information diffusion, opinion evolution, and collective behavior in digital societies. Recent advances in computational methods have leveraged complex network theory to uncover the underlying mechanisms, including influence propagation, misinformation diffusion, and network evolution. Digital platforms, such as social media and recommender systems, play vital roles in shaping communication and interactions.

This Special Issue seeks state-of-the-art research on social network complexity, emphasizing theoretical, computational, and applied approaches. Topics include information spreading mechanisms, community structure change, algorithmic system dynamics, AI in social network models, and novel methodologies for complex network analysis. Contributions are encouraged to address emerging challenges in algorithm-driven social systems or propose innovative frameworks.

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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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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