# Special Issue

# Information Theory and Economic Network

### Message from the Guest Editor

Information theory has provided an ensemble of tools for the identification of the interdependences and the connectivity pattern in complex multivariate systems. Measures from information theory, such as Shannon entropy, have been used in a variety of financial applications. The structure of a complex system can be represented as a complex network, where the nodes are the observed variables and the connections are formed utilizing a connectivity measure. Weighted or binary, symmetric or directed networks can then be formed. Methods of complex networks offer a better understanding and characterization of the relationships within large data sets, while offer an effective visualization of the corresponding findings.

The scope of this Special Issue is to provide insights on the analysis of complex networks with applications on economic or financial variables, exploiting tools from information theory.

### Guest Editor

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### Deadline for manuscript submissions

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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.

*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.

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