Special Issue

Complexity in Economic and Social Systems

Message from the Guest Editors

Social phenomena like the emergence of communication and cooperation, build-up of hierarchies and organizations, opinion formation, the emergence of political systems, and the structure and dynamics of financial markets are all among the iconic examples of the real-world complexity. Although much has already been done and much has been achieved, the complexity of the social and economic systems is still far from being properly understood. We intend this Special Issue to cover a broad variety of complexity-related topics and methods in the following fields: macroeconomics, financial markets, epidemiology, opinion formation, social systems, quantitative linguistics, and time series analysis. We especially encourage to submit manuscripts that report studies carried out with models of heterogeneous interacting agents, complex networks, multifractal analysis, non-extensive statistical mechanics, and non-extensive entropy.

Guest Editors

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Dr. Jarosław Kwapień

Dr. Paweł Oświęcimka

Deadline for manuscript submissions

closed (31 August 2020)

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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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