



entropy



an Open Access Journal by MDPI

Fractal and Multifractal Analysis of Complex Networks

Guest Editor:

Dr. Rafał Rak

College of Natural Sciences,
Institute of Physics, University of
Rzeszow, 35-310 Rzeszów,
Poland

Deadline for manuscript
submissions:

closed (15 July 2022)

Message from the Guest Editor

Complex networks are an approach to studying different real systems through graph-based representation, which allows their observation with different graph measures, such as, among others, degree distribution, clustering coefficient, betweenness or assortativity.

Currently, we know many interesting properties of real complex networks. These are, among others, scale-free, small-world, and also self-similarity, which is closely related to the (multi-)fractality of the complex system. Fractal and (in general) multifractal analysis allows identifying and better understanding the nonlinear properties, hierarchical structure, and spatial heterogeneity of both real-world and synthetic systems.

This Special Issue will accept original ideas in the form of unpublished original manuscripts focused on topics arising from the broadly understood field of quantitative analysis of “complex networks”, in particular, their multiscale nature.



mdpi.com/si/65031

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [PubMed](#), [PMC](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Multidisciplinary*) / CiteScore - Q1 (Mathematical Physics)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](https://twitter.com/Entropy_MDPI)