Special Issue

Dynamics and Entropy in Networked Systems

Message from the Guest Editor

The world is becoming increasingly connected, from IoT and 'smart' devices to social networks and 'big data'. Networked systems are not just relevant to information technology, they are also moving fast into many engineering applications, medical/healthcare, and cyberphysical system domains. There are many components with complicated interactions in such complex systems, and many of these complex systems, including urban cities, ecosystem, social and economic organizations, the human brain, and ultimately the entire universe, can be well described by complex networks by considering the individual as a node and the relationship as an edge in the network. Therefore, modeling these practical problems using complex networks is an effective approach.

This Special Issue offers an opportunity for novel interdisciplinary research and reviews that report on progress in the field of complex systems and improved techniques of entropy-based approaches in complex systems.

Guest Editor

Dr. Kang Hao Cheong

1. School of Computer Science and Engineering, Nanyang Technological University, Singapore 639818, Singapore
2. Science, Mathematics and Technology, Singapore University of Technology and Design, 8 Somapah Road, Singapore 487372, Singapore

Deadline for manuscript submissions

closed (31 December 2022)

Entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/journal/
entropy

About the Journal

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.

Editor-in-Chief

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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)