# **Special Issue**

## Classical and Quantum Networks: Theory, Modeling and Optimization, 2nd Edition

## Message from the Guest Editors

In this Special Issue, we will focus on generalizations and applications of classical networks to quantum systems, as well as on unique quantum constructions. The reported studies may relate to various areas, ranging from fundamental explorations of quantum nonlocality to applications for quantum communications.

### **Guest Editors**

#### Dr. Avishy Carmi

Center for Quantum Information Science and Tech-nology, Faculty of Engineering Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel

#### Dr. Eliahu Cohen

Faculty of Engineering, Institute for Nanotechnology & Advanced Materials, and Center for Quantum Entanglement Science & Technology, Bar-Ilan University, Ramat-Gan 5290002, Israel

### Deadline for manuscript submissions

30 September 2025



## Entropy

an Open Access Journal by MDPI

Impact Factor 2.0 CiteScore 5.2 Indexed in PubMed



mdpi.com/si/232917

Entropy Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 entropy@mdpi.com

#### mdpi.com/journal/

entropy





an Open Access Journal by MDPI

Impact Factor 2.0 CiteScore 5.2 Indexed in PubMed



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)