

## Special Issue

# Information Theory and Coding for Wireless Communications

### Message from the Guest Editors

The goal of this Special Issue is to present the novel applications of Shannon's theory in wireless networks. We invite authors to submit previously unpublished contributions in any area related to applications of information theory in wireless communications including, but not limited to, the following subtopics:

- information theory in wireless systems;
- low-density parity-check (LDPC) codes;
- iterative decoding algorithms;
- channel coding techniques for 5G and satellite communications;
- multiple-input multiple-output (MIMO) channels;
- information theoretic analysis of cognitive radio systems;
- network information theory;
- wiretap channel and secrecy capacity;
- information processing theory;
- machine learning for the physical layer communications.

---

### Guest Editors

Prof. Dr. Predrag Ivanis

School of Electrical Engineering, University of Belgrade, Belgrade 11000, Serbia

Prof. Dr. Goran Djordjević

Faculty of Electronic Engineering, University of Niš, Niš 18000, Serbia

---

### Deadline for manuscript submissions

closed (30 June 2022)



## Entropy

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/82974](https://mdpi.com/si/82974)

*Entropy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[entropy@mdpi.com](mailto:entropy@mdpi.com)

[mdpi.com/journal/  
entropy](https://mdpi.com/journal/entropy)





# Entropy

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/journal/  
entropy](https://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)