

Special Issue

Nonlinear Oscillator Synchronization and Multi-Agent Cooperative Control on Compact Manifolds and Complex Networks

Message from the Guest Editors

This Special Issue welcomes the submission of cross-disciplinary research in the areas of multi-agent cooperative control on compact manifolds, nonlinear oscillator synchronization, and complex network optimization for improved synchrony. Topics are but not limited to:

- multi-agent cooperative control
- compact manifolds
- nonlinear oscillator synchronization
- complex networks
- time delay
- fractional-order dynamics
- higher-order interactions

Guest Editors

Prof. Dr. Eric Butcher

Department of Aerospace and Mechanical Engineering, University of Arizona, 1130 N Mountain Avenue, Tucson, AZ 85721, USA

Dr. Sabina Adhikari

Department of Applied Mathematics, University of Colorado, Boulder, CO, USA

Deadline for manuscript submissions

31 August 2026



Entropy

an Open Access Journal
by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/261142

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

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)