Special Issue

Synchronization and Information Patterns in Human Dynamics

Message from the Guest Editors

Human dynamics unfold through synchronized networks across scales—from molecular biology and neural activity to communication and social behavior. This special issue explores theoretical and empirical insights into synchronization and information dynamics in human systems. We invite submissions on:

- **Synchronization Mechanisms**: Multimodal alignment and information flow in networks.
- **Coordination Mechanisms**: Alignment, pattern formation, transformation, collapse, and creative destruction.
- **Information Processing**: Applications of information and dynamical systems theory, including Shannon, Kolmogorov-Sinai, permutation entropy, recurrence plots, and time series analysis.
- **Patterns and Models**: Self-organization, multi-scale coordination, chimera states, dynamical diseases, human-AI interfaces, and systemic resilience.
- **Applications**: Healthcare, physiology, education, robotics, emotion recognition, and neural disorders. We welcome contributions from network theory, psychology, neuroscience, psychiatry, biomedicine, AI, and education. This issue bridges theory and data to deepen understanding of coordination in human systems.

Guest Editors

Prof. Dr. Franco F. Orsucci

Prof. Dr. Wolfgang Tschacher

Prof. Dr. Giovanna Zimatore

Deadline for manuscript submissions

28 February 2026

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/241297

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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

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