Special Issue

Cloud and Fog Radio Access Networks: Information, Communications, Inference and Learning Theoretic Views

Message from the Guest Editors

Cloud radio access networks (C-RAN) emerge as appealing architectures for next-generation wireless/cellular systems whereby the processing/decoding is migrated from the local base-stations/radio units (RUs) to one, or multiple, control/central units (CU) in the “cloud”. This is the basic network feature of future cell-less wireless technology. Fog radio access networks (F-RAN) address the case where the RUs are enhanced by having the ability of local caching of popular contents. This special issue is focused on the information-theoretic and communications aspects of such networks. This special issue of the Entropy journal is planned to focus on Information and Communications Theoretic aspects and views that are associated with the general framework of C-RAN, F-RAN, and Information Bottleneck (IB).

Guest Editors

Prof. Dr. Shlomo Shamai (Shitz)

Prof. Dr. Abdellatif Zaidi

Dr. Iñaki Estella Aguerri

Dr. Alon Kipnis

Deadline for manuscript submissions

closed (30 November 2022)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/81402

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

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)

MDPI