



entropy



an Open Access Journal by MDPI

Applications of Fisher Information in Sciences

Guest Editor:

Dr. Takuya Yamano

Department of Mathematics and
Physics, Faculty of Science,
Kanagawa University, 3-27-1
Rokkakubashi, Yokohama 221-
8686, Kanagawa, Japan

Deadline for manuscript
submissions:

closed (30 April 2016)

Message from the Guest Editor

Dear Colleagues,

Fisher information was originally put forth in statistical estimation theory and it has been an important tool to analyze systems. Although it has not received enough attention from researchers in other fields, this unappreciated situation seem to be changing gradually. Indeed, statistical physics and thermodynamics have a deep relation to this notion. In addition, astronomy, as well as biosciences, reap most of the benefits through big data analysis via Fisher information.

In this Special Issue, we would like to focus on the various aspects of Fisher information and its applications in sciences. Papers that broaden the horizon are welcome.

Dr. Takuya Yamano
Guest Editor



mdpi.com/si/5313

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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.

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)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](https://twitter.com/Entropy_MDPI)