



entropy



an Open Access Journal by MDPI

Information-Theoretic Security

Guest Editors:

Prof. Dr. Rafael F. Schaefer

Information Theory and
Applications Chair, Technische
Universität Berlin, 10623 Berlin,
Germany

Prof. Dr. Eduard A. Jorswieck

Technische Universität Dresden,
Chair for Communications
Theory, Chemnitzer Str. 48a,
01187 Dresden, Germany

Prof. Dr. Stefano Tomasin

Department of Information
Engineering, University of
Padova, Via Gradenigo 6/B, 35131
Padova, Italy

Deadline for manuscript
submissions:

closed (31 July 2017)

Message from the Guest Editors

Dear Colleagues,

In today's communications systems, the clear separation between data-encryption and error-correction has long been an obvious solution in most systems, but there is growing interest in providing security directly at the physical layer by exploiting the properties of the underlying communication channel.

Topics of interest generally include (but not limited to):

- Secrecy capacity of wireless channels
- Secure communication under adversarial attacks
- Security in distributed storage systems
- Privacy in the Smart Grid
- Secret key generation and agreement
- Secret sharing in multi-party and multi-user networks
- Security with quantum channels and resources
- Wireless, biometric, and PUF-based authentication
- Practical code design for physical layer security
- Joint cryptography and physical layer security
- Unconditional security

Prof. Dr. Rafael F. Schaefer

Prof. Dr. Eduard A. Jorswieck

Prof. Dr. Stefano Tomasin

Guest Editors



mdpi.com/si/8243

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)