Special Issue

Information-Theoretic Security

Message from the Guest Editors

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. Stefano Tomasin

Guest Editors

Prof. Dr. Rafael F. Schaefer
Prof. Dr. Eduard A. Jorswieck
Prof. Dr. Stefano Tomasin

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

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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

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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