

Special Issue

Information Security and Cryptography: Advanced Technologies in Symmetry/Asymmetry

Message from the Guest Editor

Information security is a multidisciplinary area in computer science and engineering. It mainly focuses on the development and implementation of security mechanisms (e.g., algorithms, protocols) for protecting information systems against potential attacks. In this Special Issue, we focus mainly on cryptography, network security, system security, and application security with symmetry or asymmetry models. We are interested in novel ideas, advanced techniques, comparative analyses of different methodologies, surveys, or technical reviews on all aspects of existing results in information security. This Special Issue also covers industrial security applications that integrate academic research contributions with strong experiments. The scope of the Special Issue includes (but is not limited to): Cryptography and applications in (a)symmetry network models; Network security with (a)symmetry techniques; IoT security in distributed applications; Blockchain and its applications; Security solutions in smart cities; Steganography and steganalysis.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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