Special Issue

Advanced Technology in Quantum Cryptography

Message from the Guest Editors

As the world increasingly goes digital, information security is becoming particularly important. Quantum cryptography offers means of securely establishing encryption keys against quantum computing with the guarantee of quantum mechanics and Shannon's information theory. There exists strong incentive to introduce quantum cryptography into many areas of human society, ranging from field optical network to satellite communications. To extend its applicability and reliability, it is important to develop operable technologies that meet the requirements of secure and low noise coding for quantum state preparation, of efficient and robust controlling technique for key rate extraction, and of scalable and low-cost production for wide deployments. So the purpose of this Special Issue is to explore and present various advanced technology that can be integrated into Quantum cryptosystems, such as laser modulation, stabilizing approach, post-processing algorithm, machine learning, and optical networking, etc.

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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.

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