Special Issue

Practical Quantum Communication

Message from the Guest Editors

Quantum key distribution can provide information-theoretical secure private communication between two remote parties. Studies of both the theories and experiments of quantum key distribution have been very active toward practical application, especially for better performance and higher security under realistic conditions. The purpose of this Special Issue is to integrate the relevant theory and technology of quantum communication to achieve a higher practical security level and improve the performance of quantum secure communication protocols for higher efficiency and a longer secure distance. The topics to be addressed in this Special Issue include but are not limited to the following:

- Theoretical and experimental studies in quantum key distribution (QKD);
- Quantum communication technology;
- Quantum security and communication beyond QKD.

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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

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