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Quantum Computation, Communication and Cryptography

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Deadline for manuscript submissions:
20 January 2025

Message from the Guest Editors

The subject area of applications involving quantum mechanics beyond the limits of classical physics has grown tremendously in the past decade, particularly regarding the theory and application of quantum entanglement and the superposition of quantum states. The representation of quantum states as quantum bits (qubits) as well as the transport and processing of quantum information has also become a leading area of research. In this Special Issue, the focus is on quantum computation, communications, cryptography, and the integration of those items. Articles focusing on theory as well as experimental results are encouraged. Topics of interest include, but are not limited to, the following topics. Authors are encouraged to combine topics of interest in a single paper where appropriate.

- Quantum Computing
- Quantum Communications
- Quantum Theory
- Quantum Materials

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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.

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