Special Issue

Long-Distance Quantum Communications

Message from the Guest Editors

Quantum Information science is at a crucial phase of becoming a technology. Recent advances in fiber-based, through-the-air, and satellite quantum key distribution (QKD), entanglement distribution, and quantum teleportation, as well as the tremendous progress in the development of quantum processing and quantum storage tools has brought us closer to full deployment of quantum technologies at large scales. Perhaps, one of the key required advancements is to improve the reach of quantum systems, especially those designed to enable secure communications in the quantum era. In this regard, systems such as quantum repeaters and satellite quantum communication have been proposed to achieve long-distance quantum communications. We would like to invite you to submit your original theoretical and/or experimental contributions to this Special Issue on long-distance quantum communications.

Guest Editors

Prof. Dr. Christoph Simon

Dr. Giuseppe Vallone

Dr. David Elkouss

Dr. Mohsen Razavi

Deadline for manuscript submissions

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

mdpi.com/journal/entropy

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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

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

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