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Physical-Layer Security, Quantum Key Distribution and Post-quantum Cryptography

Guest Editor:

Prof. Dr. Ivan B. Djordjevic

Department of Electrical and Computer Engineering, College of Engineering, and College of Optical Sciences, University of Arizona, Tucson, AZ 85721, USA

Deadline for manuscript submissions:

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Message from the Guest Editor

Significant achievements have been made recently in the quantum computing arena. Because most conventional cryptography systems rely on computational security, which guarantees the security against an efficient eavesdropper for a limited time, with the advancement in quantum computing this security can be compromised. To solve for these problems various schemes providing the perfect/unconditional security have been proposed including physical-layer security (PLS), quantum key distribution (QKD), and post-quantum cryptography.

So the purpose of this Special Issue is to integrate these various approaches and enable the next generation of cryptography systems whose security cannot be broken by the quantum computers.



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Special Issue



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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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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Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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