Special Issue

Recent Development and Application of Quantum Communication and Security Protocols, Volume II

Message from the Guest Editors

At present, quantum communication is one of the most prominent emerging quantum technologies, with new applications continually arising, such as the quantum internet, which will become a reality in the near future. To leverage this new reality, new applications of quantum communication are increasingly being developed. In particular, issues of security and privacy have arisen as crucial requirements in a vast number of different applications. While the challenge of secure communication, which is addressed by various key distribution schemes, is the most prominent issue within quantum cryptography, many other unresolved problems have recently attracted the attention of the scientific community. Quantum cryptography beyond key distribution, addressing privacy requirements, ranges from secure multiparty computations (private data mining, e-voting, etc.) to authentication, blind computation, contract signing protocols, secret sharing, etc.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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