

Special Issue

Advances in Quantum-Enabled Cybersecurity

Message from the Guest Editors

Quantum technologies have evolved from successful laboratory experiments to real-world implementation, with quantum key distribution probably being the most mature quantum-based technology available nowadays. Considering the current state of the art of this rapidly expanding research field, it is easy to foresee a completely new set of functionalities and dedicated services to the information and communication society, enabled by such quantum technologies in a very disruptive way. The aim of this Special Issue is to highlight the recent progress and trends in quantum technologies, with special focus on its applications to quantum key distribution, quantum commitment and quantum oblivious transfer protocols. The accepted papers will demonstrate a diversity of new developments in these areas. For this Special Issue, high-quality articles reporting original research results and survey articles of exceptional merit are welcome for submission, and it will let the readers of this journal to be aware of the most recent outcomes and trends of this fundamental research area.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

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