



Quantum Optics: From Fundamental Research to Technological Applications

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Message from the Guest Editors

This Special Issue will encompass a diverse array of topics in the field of quantum optics, spanning both theoretical and experimental research. Contributions are encouraged to delve into the interdisciplinary aspects of quantum optics and examine its ramifications for a multitude of technological applications, thereby paving the path for revolutionary advancements in quantum technology.

To further elaborate on the scope of this quantum optics Special Issue, topics include, but are not limited to, the following:

1. **Fundamental Theoretical Studies**
2. **Novel Materials and Devices in Quantum Optics**
3. **Applications of Quantum Optics in Information Processing**
4. **Optical Imaging and Sensing**
5. **Applications of Quantum Optics in Communication and Security**
6. **Quantum Metrology and Precision Measurements**
7. **Photonics Integration and Quantum Optic Circuits**

