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Quantum Optics: Entanglement and Coherence in Photonic Systems

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Message from the Guest Editors

Dear Colleagues,

Quantum optics has traditionally played important roles in probing the fundamental properties of quantum physics, such as entanglement and quantum coherence. Recently, with the advent of the second quantum revolution, quantum optics has been at the heart of quantum information technologies, such as quantum computing, quantum networks, and quantum metrology. These applied quantum technologies rely on the generation, manipulation, and measurement of quantum optical states of light, e.g., single photons, entanglement, and squeezing.

To echo the recent exciting development in quantum optics, we are launching a Special Issue of *Photonics* in the field of quantum optics: "Entanglement and Coherence in Photonic Systems". We encourage you to submit your research work on both theoretical studies and experimental demonstrations.