



## Quantum Communications Systems

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 August 2018)**

### Message from the Guest Editor

Dear Colleagues,

In modern society, ever-increasing demands for protecting information channels or long-range information security against eavesdropping is becoming a critical issue for, not only large companies, banks, and defense enterprises, but also for individual users. Quantum communications are fast becoming an important tool or technique for many applications in quantum information science. Of course, photons are most robust and the fastest carriers of information transmission in comparison to electronic signals. Therefore, quantum communication is a field of applied quantum optics, closely related to information processing sharing quantum information over a distance, among geographically-separated parties. Thus, optical quantum communications have attracted a great deal of attention in recent years, not only because of potential use of photonic qubits (quantum bits) to transfer quantum information through free space, but also fiber optic links for the establishment of a perfectly secure cryptographic key between two parties.

Dr. Pramod Kumar





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## Message from the Editor-in-Chief

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