

## Quantum Information Science

### Call for papers

*IEEE Journal on Selected Areas in Information Theory (JSAIT)*

<https://www.itsoc.org/publications/journal-on-selected-areas-in-information-theory-jsait>

This special issue will focus on Quantum Information Science, especially Communication and Computing. It will aim to bridge theory, practice and basic science, ranging from the state-of-the-art in quantum computing, to communication, coding, cryptography, and compression, as well as the current challenges remaining. An overarching theme is how the information theoretic and quantum-physical perspectives complement each other in building these quantum technologies. Prospective authors are invited to submit original manuscripts on topics within this broad scope including, but not limited to:

- Quantum Shannon theory
- Quantum cryptography
- Quantum algorithms and communication complexity
- Quantum error correcting codes
- Quantum estimation, metrology, and sensing
- Quantum information measures

### Guest Editors

Lead Guest Editors: Andreas Winter (UAB Barcelona) [andreas.winter@uab.cat](mailto:andreas.winter@uab.cat) and Emina Soljanin (Rutgers) [emina.soljanin@rutgers.edu](mailto:emina.soljanin@rutgers.edu)

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### Submission Guidelines

Prospective authors must follow the *IEEE Journal on Selected Areas in Information Theory* guidelines regarding the manuscript and its format. For details and templates, please refer to the *IEEE Journal on Selected Areas in Information Theory* Author Information webpage. All papers should be submitted through Scholar One according to the following schedule:

### Important Dates

**Manuscript Due:** February 1, 2020

**Acceptance Notification:** June 1, 2020

**Final to Publisher:** July 1, 2020

**Expected Publication:** July/August 2020

**Manuscript Submission Website:** <https://mc.manuscriptcentral.com/jsait-ieee>