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Special Issue on Quantum Computing

Call for Papers

Quantum computing is a new computational model that follows quantum mechanical laws to regulate quantum information units. The theoretical model of a universal quantum computer is a universal Turing machine that is reinterpreted by the laws of quantum mechanics. Quantum computers can show faster processing than classical computers. Its computing capacity is much more excellent than nowadays other computers, but there are still many obstacles. One of the difficulties is how to improve the accuracy of the required quantum device. Up to now, the development of actual quantum computers is still in its infancy, and related theoretical or practical studies are still continuing.

In this special issue, we intend to invite front-line researchers and authors to submit original researches and review articles on exploring **quantum computing**. Potential topics include, but are not limited to:

- Principles of quantum computing operation
- Quantum algorithms problems
- Quantum computing models
- Obstacles of quantum computing research
- Practical significance of quantum computing
- Latest developments of quantum computing

Authors should read over the journal's For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

Please kindly notice that the "**Special Issue**" under your manuscript title is supposed to be specified and the research field "**Special Issue – *Quantum Computing***" should be chosen during your submission.

According to the following timetable:

Submission Deadline	July 12th, 2018
Publication Date	September 2018

Guest Editor:
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