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Special Issue on Quantum Entanglement

Call for Papers

Quantum Entanglement is the essence of quantum formalism recognized by Einstein, Podolsky, Rosen, and Schrödinger. This holistic property of compound quantum systems has potential for many quantum processes, such as quantum cryptography, quantum teleportation, dense coding and so on. However, this new resource proves to be complex and difficult to detect. Although it is usually fragile to the environment, it is robust against conceptual and mathematical tools, the task of which is to decipher its rich structure.

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

- Dynamics of quantum entanglement
- Quantum entanglement of moving bodies
- Quantum entanglement in fermionic lattices
- Frequency standards with quantum entanglement
- Methods for detection of quantum entanglement
- Quantum entanglement of a large number of photons
- Evolution equation for quantum entanglement

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

Please kindly specify the "**Special Issue**" under your manuscript title. The research field "**Special Issue - *Quantum Entanglement***" should be selected during your submission.

According to the following timetable:

Manuscript Due	August 26th, 2015
Publication Date	October 2015

Guest Editor:

For further questions or inquiries
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