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Special Issue on

“Quantum Structures & Quantum Information Theory”
QS&QI

Overview

The study of quantum structures associated to the quantum formalism played a fundamental role since the very origins of the theory. The advent of quantum information theory and the possibility of developing quantum computers, gave rise to a renewed interest in different mathematical structures related to quantum information processing tasks.

This Special Issue aims to gather experts in the quantum structures and quantum information community by incorporating a selected list of contributions. Researchers are welcome to present their original and recent developments on the topics listed below. All contributions will be peer-reviewed.

Topics of the Special Issue:

- Quantum Information Science
- Quantum Structures
- Information Measures in Quantum Theory
- Quantum Computing
- Quantum Correlations
- Foundations of Quantum Mechanics
- Uncertainty relations
- Violation of Bell Inequalities
- Non-standard applications of Quantum Theory
- Decoherence and Classical Limit
- Algebraic Methods in Quantum Theory

Important Dates

Manuscript submission due date: 30 June 2019
First notification (acceptance/revise/reject): 30 September 2019
Revised manuscript due (first round review): 31 October 2019
Second notification (acceptance/revise/reject): 30 November 2019
Camera-ready submission: 15 December 2019
Publication of the Special Issue: 31 December 2019
Submission procedure

Papers submitted to this Special Issue for possible publication MUST NOT be under consideration for publication in any other journals.

In order to submit their paper, authors have to login into the online submission system at: http://soco.edmgr.com/ select as “Article Type S.I. Quantum Structures & Quantum Information Theory”.

Questions about the Special Issue should be directed to Special Issue Guest Editors.

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