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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.

Guest Editors

Dr. Federico Holik (Leading Guest Editor)
Institute of Physics La Plata – CONICET, La Plata, Argentina.
E-mail: holik@fisica.unlp.edu.ar

Dr. Gustavo Martin Bosyk
Institute of Physics La Plata – CONICET, La Plata, Argentina.
E-mail: gbosyk@fisica.unlp.edu.ar

Prof. Hector Freytes
Univeristy of Cagliari, Cagliari, Italy.
E-mail: hfreytes@gmail.com

Dr. Giuseppe Sergioli
Univeristy of Cagliari, Cagliari, Italy.
E-mail: giuseppe.sergioli@gmail.com



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