CALL FOR PAPERS

Special Issue: *Operator Algebras and Quantum Information Theory*

The use of operator algebra techniques (including operator spaces, operator systems, and free probability) in quantum information theory has proven to be extremely useful in the last years. This has been fostered by a series of workshops and scientific programs bringing together open minded researchers from both areas; particularly those in Banff (2007, 2010, 2012) and the Fields Institute (2009) as well as longer programs at the Mittag-Leffler Institute in Fall 2010 and Fall 2013.

To increase the visibility of how fruitful, broad and rich this interconnection has been, we are devoting a focus issue in the *Journal of Mathematical Physics* to this area. We are soliciting excellent papers in all those areas of quantum information theory in which operator algebra techniques play a significant role. David Pérez Garcia will be serving as Guest Editor along with JMP Associate Editors Mary Beth Ruskai and Yasuyuki Kawahigashi.

In September 2002, JMP published a special issue on **Quantum Information Theory**, which received an Honorable Mention for "Best Special Issue of a Journal" by the American Association of Publishers. We expect to have the same high caliber papers in a special issue on Operator Algebras and Quantum Information in January 2016.

Most papers will be invited however, high quality unsolicited manuscripts will be considered if submitted by **August 1, 2015**. All manuscripts will be refereed and appear on the JMP web site when they are accepted. Although most manuscripts are expected to contain significant new results, we also plan to publish a few high quality review articles. All review articles will be invited, but suggestions of topics and potential authors are welcome.

The previous special issue, as well as classic papers on operator algebras and quantum information theory can be viewed and downloaded for free on the JMP Collections page:
http://scitation.aip.org/content/aip/journal/jmp/collections

COLLECTIONS INCLUDE:
JMP Highlights in Operator Algebras and Quantum Information Theory
JMP Recent Papers in Quantum Information Theory

> **To submit a manuscript to the special issue please go to our online submission site at http://jmp.peerx-press.org/.** When selecting a manuscript type please be sure to select Section 52: Special Issue Operator Algebras and Quantum Information Theory to ensure inclusion in the special issue.