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# **Quantum Probability, Statistics and Control**

Guest Editor:

### Prof. Holger F. Hofmann

Graduate School of Advanced Sciences of Matter, Hiroshima University, Higashi Hiroshima 739-8530, Japan

Deadline for manuscript submissions: closed (31 May 2020)

### Message from the Guest Editor

Quantum physics is about to move into a new stage as the technical possibilities of controlling quantum systems are giving us access to more and more details of the statistical features described by quantum interferences and the associated Hilbert space algebra. These developments provide us with a unique opportunity to vastly enhance our understanding of quantum physics by exploring the fundamental relations between quantum states and quantum measurements. The aim of this Special Issue is to invite scientists to share both theoretical and experimental results on the statistics of quantum systems at the ultimate limits of control. In particular, any work relating to measurement. uncertaintv relations. quantum entanglement and other non-classical correlations, and quantum tomography and related tests of states and processes will be highly welcome. More generally, any scientific contributions related to fundamental or practical aspects of quantum systems will be considered.









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### **Editor-in-Chief**

#### Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

### Message from the Editor-in-Chief

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*Entropy* Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/entropy entropy@mdpi.com X@Entropy\_MDPI