# Special Issue

# Random Matrix Approaches in Classical and Quantum Information Theory

## Message from the Guest Editors

This Special Issue solicits recent advances in random matrix methods to classical and quantum information theory. Topics include but are not limited to applications of random matrix theory to:

- Caching and data retrieval
- Coding theory (classical and quantum)
- Communications theory (classical and quantum)
- Compressed sensing
- Concentration of measure techniques
- Deep neural networks
- Detection and estimation
- Geometry of quantum states
- Graph signal processing
- Quantum chaos and entanglement
- Random density matrices and entropies
- Spectral methods for graph clustering and classification

## Guest Editors

Dr. Lu Wei

Dr. Antonia Tulino

Dr. Santosh Kumar

## Deadline for manuscript submissions

closed (30 June 2020)

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## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

## Editor-in-Chief

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