Special Issue

Multiuser Information Theory II

Message from the Guest Editor

This Special Issue on “Multi-User Information Theory in 2017” has led to the publication of high quality papers on several new research directions. The Special Issue received a lot of attention from the community. In 2019, we will continue this Special Issue. Possible topics include, but are not limited to, the following:

- non-asymptotic performance characterizations
- multi-letter coding techniques
- non-Shannon-type inequalities
- multi-user quantum information and coding
- applications of information theory to new emerging areas such as cybersecurity, privacy, distributed data storage, bioinformatics and learning
- new source models based on big data
- new channel models based on mmWave technology

The goal of this issue is to develop new bridges between information theory and other fields, such as abstract algebra, ergodic theory, quantum physics, theory of random graphs, theory of communication complexity, information geometry and additive combinatorics, and thereby contribute to furthering collaborations between researchers working in these communities.

Guest Editor

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Deadline for manuscript submissions

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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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