Special Issue

Network Information Theory and Its Applications

Message from the Guest Editors

With the development of information technologies in fields such as communication and artificial intelligence, scenarios involving multiple users and even complex networks dominate scientific research. For the core performance metrics of these scenarios, it is urgent to study their fundamental limits, namely network information theory. The research progress will also in turn promote technological advancements in practical applications. In this Special Issue, we focus on (but are not limited to) characterizing the fundamental limits of core performance metrics related to multiuser and even networked scenarios, and designing schemes to approach these limits. According to different scenarios, these metrics include channel capacity, latency, reliability, complexity, secrecy, etc. This Special Issue will accept unpublished original papers and comprehensive reviews focused on network information theory and its application.

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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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