Special Issue

Wireless Networks: Information Theoretic Perspectives

Message from the Guest Editors

Network information theory is a framework for studying performance limits in communications over networks; as such, it is expected to continue to play an essential role in the future development of wireless networks, including 5G and beyond. This Special Issue aims to bring together the body of recent results in network information theory in order to bolster its value and emphasize the importance it continues to play in the development of wireless communications. Previously unpublished contributions in the intersection network information theory and wireless networks are solicited, including (but not limited to) the following:

- Emerging information theoretic models for wireless communications;
- Gaussian networks;
- Capacity scaling laws;
- Massive networks;
- Random access;
- Interference mitigation schemes;
- Relaying techniques;
- MIMO channels;
- Massive MIMO;
- Low latency communications;
- Secure and private communications;
- Low power communications;
- Code design for networks;
- Interactive communications and feedback;
- Communication under channel uncertainty;
- Mismatched network capacity;
- Cloud and fog radio access networks.

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Deadline for manuscript submissions

closed (8 August 2022)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/94153

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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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