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Information Theory for Data Communications and Processing

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on fundamental information-theoretic aspects of remote processing in networks. We welcome unpublished contributions related to advanced distributed data processing techniques distributively in networks. Examples include signal processing solutions based on communication and information-theoretic considerations, for Cloud and Fog Radio Access Networks (RAN), remote source coding, as well as interdisciplinary connections with problems such as information bottleneck, information-theoretic learning and prediction, distributed estimation and decision making, secrecy/privacy and identification in communication systems.

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Special Issue



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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.

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