Special Issue

Statistical Signal Processing, Detection and Estimation: Dealing with the Data Deluge

Message from the Guest Editors

The present deluge of data and the ubiquity of information appliances provides opportunity and motivation for continued advances in statistical techniques to extract useful information from the deluge. Detection and estimation theory draws elements from classical statistics, statistical signal processing, pattern recognition, and machine learning. These disciplines combine with techniques from a variety of application areas, such as tracking, navigation, cybersecurity, and many others, to provide a broad and powerful set of tools.

This Special Issue will accept unpublished original papers and comprehensive reviews with topics related to the following, or related, areas:

Detection and estimation on graphs;
Variational and message passing methods;
Machine learning, including updating models from streaming data;
Detection, estimation, and tracking;
Natural language and textual processing;
Techniques to deal with categorical data;
Statistical modeling techniques;
Detection and estimation under sparsity conditions.

Guest Editors

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Dr. Rodrigo de Lamare

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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