Special Issue

Statistical Signal Processing: Recent Advances

Message from the Guest Editors

We are pleased to announce the launch of a new Special Issue in Axioms, entitled “Statistical Signal Processing: Recent Advances”. With the random nature of signals, statistical methods play an important role in signal processing. Statistics are used in the formulation of adequate models to describe the behavior of systems, the development of adequate techniques for the estimation of model parameters and the evaluation of its performances. With the recent technological developments, we are increasingly confronted with complex systems that produce large and high-dimensional data, which require modern, efficient and fast statistical signal processing methods. The purpose of this Special Issue is to explore new statistical signal processing methods in model formulations, parameter estimation and data analysis.
Topics of interest include, but are not limited to, the following:

- Hierarchical Bayesian models and Bayesian inference,
- Variational Bayesian model and variational Bayesian inference,
- Approximate Bayesian computation (ABC),
- Bayesian non-parametric models and non-parametric Bayesian inference,
- The Dirichlet process and hierarchical Dirichlet process.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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