

## Special Issue

# Nonlinear Signal and Image Processing: Current Trends and Future Directions

### Message from the Guest Editor

The focus of this Special Issue is on the use of this research and its proposed meaning for physics with regard to sensors, nonlinear and non-Gaussian signal processing methodologies combined with convex and non-convex optimization, sensor-based machine learning/deep learning neural networks, and image and video spatial-time processing. It encompasses new theoretical frameworks for interpreting sensing in Nonlinear signal processing (e.g., latent component analysis, tensor factorization, Bayesian methods) coupled with information-theoretic learning. The processing of a variety of modalities includes audio, chemical, bio-signals, electromagnetic thermal multi-physics signals, images, multispectral, and video, among others. In addition, the sensor applications are encouraged by using Nonlinear Signal and Image Processing as well as an interpretable deep learning structure. These algorithms have the capacity to generalize and discover knowledge for themselves and learn new information whenever unseen sensor data are captured. King regards,

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 July 2024)



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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