



sensors



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Nonlinear Signal and Image Processing: Current Trends and Future Directions

Guest Editor:

Prof. Dr. Bin Gao

School of Automation
Engineering, University of
Electronic Science and
Technology of China, Chengdu
610056, China

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Message from the Guest Editor

Dear Colleagues,

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,

Dr. Bin Gao
Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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