

## Special Issue

# Computational Intelligence for Smart Sensor Networks: Possibilities and Prospects for Soft Computing-Based Sensors

### Message from the Guest Editor

The use of smart sensors is one of the most timely and important topics in computational intelligence and sensor networks. We are particularly interested in papers that examine novel solutions for computational efficiency (power control) and swarm intelligence in sensor networks.

- Cooperative processing (swarm intelligence, fog computing, etc.) in sensor networks
- Green Cyber Physical Systems (CPS) and Internet of Things
- Data analytics, cloud computing and wireless sensor networks
- Wearable sensors and Privacy
- Soft sensor systems
- Biomedical applications;
- Big Data analytics;
- Extreme computing;
- Intelligent manufacturing;
- Autonomous systems and industrial processes optimization;
- Hyper-parameter learning (learning and tuning of sensor parameters, automatic calibration)
- Indirect measurements
- Computer vision and image processing;
- Parallel and distributed computing.
- Information fusion in sensor networks
- Wireless sensor networks;
- Cloud and swarm robotics;
- Management of complex, noisy datasets
- data aggregation
- Sensitivity and robustness analysis
- Computational efficiency (power control)
- Human measurements and Social sensing

### Guest Editor

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## Sensors

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## About the Journal

### 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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