# Special Issue

# Sensing Technology in Evolutionary Computation

## Message from the Guest Editors

Among intelligent algorithms applied to the huge data provided by sensors, some are related to optimization and follow the Evolutionary Computation (EC) paradigm. While classical optimization most often requires objective functions to be differentiable or only apply to small size problems, as with exact methods, EC alleviates this requirement and allows to address a large range of applications with easy-to-implement methods, possibly executed in a parallel and distributed way, and providing high-quality empirical results. The aim of this Special Issue is to solicit up-to-date contributions on the topics of Evolutionary Computation in the context of sensing technology. Sensors, and their digital data and devices, can include camera sensors, ultrasound and sonar sensors, Lidar, and UAV sensors. The problematics include, but are not limited to, pattern recognition, perception with uncertain data, feature extraction, tracking and matching, optical-flow computation and data fusion. Within EC, we include, amongst others, population-based metaheuristics, particle swarm optimization and to a larger extent, neighborhood search, hyperheuristics, and hybrid methods.

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## Deadline for manuscript submissions

closed (25 February 2024)

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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.

## Editor-in-Chief

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