Pattern Recognition and Sensor Fusion Solutions in Intelligent Sensor Systems

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Message from the Guest Editors

Recent advances in technology have led to the development of various intelligent sensor systems, in which pattern recognition and sensor fusion algorithms play a crucial role in most of the cases. For effective operation of these algorithms, advanced solutions are required in many areas, such as pre-processing, feature extraction, feature selection, classification, state estimation, implementation, etc.

Intelligent sensor systems can be based on signals of various sensor types. The aim of this Special Issue is to invite high-quality research papers and up-to-date reviews that address challenging topics of sensory signal-based pattern recognition and sensor fusion. Topics of interest include, but are not limited to, the following:

- Sensor calibration, pre-processing of signals;
- Signal and image analysis, feature extraction, and feature selection methods;
- Sensor fusion methods;
- Implementation of pattern recognition and sensor fusion algorithms on embedded systems;
- Novel applications of sensory signal-based pattern recognition and sensor fusion methods.

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Message from the Editor-in-Chief

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