Special Issue

Soft Computing, Machine Learning and Computational Intelligence for Laser Based Sensing and Measurement

Message from the Guest Editors

The methods and tools applied to vision and robotics include, but are not limited to, the following:

- Computational intelligence methods;
- Machine learning and deep learning methods;
- Self-adaptation and self-organisation;
- Point cloud registration methods;
- Multimodal information fusion;
- Hardware implementation and algorithms acceleration (GPUs, FPGA,s, etc.).

The fields of application include, but are not limited to, the following:

- 3D scene reconstruction;
- 3D volume visualization;
- Gesture and posture analysis and recognition;
- Surveillance systems in public areas;
- Autonomous and social robots;
- Industry 4.0: inspection and quality control;
- Transportation systems: autonomous navigation and road inventory;
- Remote sensing: forestry, agriculture, land management.

Guest Editors

Prof. Dr. Manuel Graña

Dr. Jose Manuel Lopez-Guede

Dr. Anna Kamińska-Chuchmała

Dr. Paweł Ksieniewicz

Deadline for manuscript submissions

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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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