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Deep Learning for Multi-Sensor Fusion

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to highlight innovative developments with respect to the current challenges in processing multi-sensor or multi-source data related to designing resilient architectures. We particularly welcome contributions that will provide insights into the key mechanisms encouraging the good behaviour and robustness of the methods.

Topics include but are not limited to the following:

- Multi-source based learning with domain-specific prior knowledge constraints;
- Learning in the presence of imperfect data and/or imprecise ground truth;
- Hierarchical learning for integrating additional sources effectively;
- Autonomous navigation based on multi-sensor fusion, with a special focus on robustness to sensor failure;
- Video and audio modalities for expression and activity recognition, or for behaviour disorder detection;
- Data fusion for remote sensing and aerial photography;
- Multimodal biometric systems.



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Special Issue



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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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