

Special Issue

2021 Vision: Envisioning a New Generation of Soft Sensors Research

Message from the Guest Editors

Soft Sensors are among the hottest topics in industrial research field. As a result, the number of proposed design methods is growing at an impressive rate. Nevertheless, one hand some relevant theoretical issues, concerning the Soft Sensor, need a deeper attention, on the other hand, applications in fields other than industries have been seldom proposed. A better exploitation of Soft sensors makes it mandatory approaching theoretical problems such as model interpretability, soft sensors for time varying systems, soft sensors model performance assessment and maintenance.

The full acceptance of Soft Sensor from a wider community can pave the road to their application in seldom-explored fields, such as precise agriculture, smart houses, cities, and IoT, where they can contribute to the implementation of sustainable development.

This special issue aims at collecting a blend of theoretical and applicative contribution on the topics mentioned above, which enlightens the path towards next-generation Soft Sensors.

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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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