

## Special Issue

# Combining Sensors and Multibody Models for Applications in Vehicles, Machines, Robots and Humans

### Message from the Guest Editors

The combination of physical sensors and computational models to provide additional information about system states, inputs, and/or parameters, in what is known as virtual sensing, is becoming more and more popular in many sectors, such as the automotive, aeronautics, machinery, robotics, and human biomechanics sectors. This Special Issue seeks works dealing with the many challenges that must be overcome when developing multibody-based virtual sensors. These challenges include the selection of the fusion algorithm and its parameters, the coupling or independence between the fusion algorithm and the multibody formulation, magnitudes to be estimated, the stability and accuracy of the adopted solution, optimization of the computational cost, real-time issues, and implementation on embedded hardware. We also welcome studies on the application of multibody-based virtual sensors to, for example, vehicles, mobile or humanoid robots, assistive orthotic and prosthetic devices, or the measurement and analysis of human movement. For more information, please click: [mdpi.com/si/57103](https://mdpi.com/si/57103).

Prof. Dr. Miguel Ángel Naya Villaverde

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### Deadline for manuscript submissions

closed (31 August 2021)



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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.

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