

## Special Issue

# Sensor-Based Approaches to Understanding Human Behavior

### Message from the Guest Editor

Research is currently at a point at which the development of cheap and powerful sensor technology coincides with the increasingly complex multimodal analysis of human behavior. Our special issue takes up this momentum and is intended to bring together, for the first time, strongly cross-disciplinary research under one roof – so that the individual disciplines can inform, inspire, and stimulate each other. Accordingly, human behavior is meant in a very broad sense and supposed to include, besides speech behavior, the expression of emotions and moods, body language and health issues related to behavior or behavior changes, behavior towards robots or machines in general, etc. Examples of relevant sensor technologies are EEG, EMG, SCR (skin-conductance response), Heart Rate, Breathing, tactile/pressure sensors, gyroscopes, MoCap sensors and/or accelerometers capturing body movements, VR/AR-related sensor technologies, etc. Besides empirical contributions addressing current questions, outlines of future trends, review articles, applications of AI to sensor technology, and presentations of new pieces of sensor technology are very welcome too.

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### Guest Editor

Dr. Oliver Niebuhr

Department of Mechanical and Electrical Engineering, University of Southern Denmark, 5230 Sonderborg, Denmark

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### Deadline for manuscript submissions

closed (20 December 2023)



## Sensors

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
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