

## Special Issue

# Sensor and Embedded System Applications in Structural Engineering and Engineering Seismology

### Message from the Guest Editor

In the last decade, the growing availability of compact and inexpensive hardware/software development platforms, self-contained electronic modules, and small form sensors for detecting and measuring almost any physical quantity has allowed the research community to develop novel prototype or end-product embedded systems for engineering applications. The key factor that led to this recent boost of innovation across different engineering disciplines was the open source rationale of the above building components. As a result, the multidisciplinary challenge of developing electronic devices for applications on dissimilar engineering fields has become feasible. This SI is dedicated to original research on the development and verification of novel sensor-based embedded systems for laboratory, structural, construction site or free-field applications. Topics related to this SI include but are not limited to:

- Experimental measuring
- Earthquake detection, monitoring and early-warning systems
- Structural health monitoring
- Active/hybrid seismic control systems
- Sensors and sensor fusion
- Sensor networks and IoT
- Smart materials and structural components
- Energy storage and harvesting

### Guest Editor

Dr. Vassilis Papanikolaou

Lab of R/C and Masonry Structures, School of Civil Engineering,  
Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

### Deadline for manuscript submissions

closed (30 June 2022)



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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