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

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Deadline for manuscript submissions:

**closed (30 June 2022)**

### 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



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## Message from the Editor-in-Chief

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