

Special Issue

Neural Sensors for Architecture, Engineering and Construction (AEC) Industry

Message from the Guest Editors

The Architecture, Engineering, and Construction (AEC) industry plays a key global economic role. As we advance in the AI era, using emerging technologies for sustainable industry growth is crucial. Advanced sensing technologies, developed through neural engineering, can impart sensors with intelligence attributes, like perception, recognition, and decision-making. Research in neuroscience can enlighten us about the neural mechanisms influencing construction workers' behavior, leading to innovative solutions in safety, cognition, intelligent building, and architectural design. Progress has been noted in the AEC industry with the use of neural sensing technologies such as ERP, AI, robotics, and fNIRS. These technologies are poised to transform AEC research paradigms. This Special Issue invites contributions around the use of neural sensors in the AEC industry, presenting new concepts, methodologies, best practices, experiments, and case studies for technology integration in current and future AEC operations.

Guest Editors

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Deadline for manuscript submissions

closed (5 March 2024)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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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.

Editor-in-Chief

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