

Special Issue

Sensors and Sensing Technologies for Archaeological and Cultural Heritage Evaluation

Message from the Guest Editors

This Special Issue delves into the multifaceted applications advanced sensing tools can be put to in unraveling the mysteries of ancient civilizations and safeguarding cultural treasures. From ground-penetrating radar to LiDAR and beyond, these technologies offer unprecedented capabilities for non-invasive investigations, revealing hidden layers of history and intricate details of heritage sites. Moreover, the advent of smart sensors, Internet of Things (IoT) devices, and data analytics has ushered in a new era of real-time monitoring, ensuring the sustainable conservation of artifacts and structures amidst evolving environmental challenges. By bringing together contributions from experts in the field, this Special Issue seeks to open up new avenues for non-invasive exploration and real-time conservation of archaeological sites and cultural artifacts, illuminating the diverse range of applications as well as the challenges and ethical considerations inherent to integrating sensor technologies, ultimately showcasing their potential to reshape the future of heritage evaluation and preservation.

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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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