Special Issue

Advanced Sensors for Energy Infrastructures

Message from the Guest Editors

The theme of this Special Issue covers all types of advanced sensing technologies for energy infrastructures. The particular topics of interest include, but are not limited to:

- structural health monitoring
- flexible sensors
- electrochemical sensors, and electromagnetic sensors
- ultrasonic sensors
- active or passive wireless sensors
- smart sensors
- optical fiber sensors
- microfluidic sensors
- sensing materials
- oil and natural gas infrastructure
- energy infrastructure
- data communication
- artificial intelligence enhanced data analytics
- nondestructive sensors
- chemical sensors
- high temperature sensors

The energy infrastructure applications include, without being limited to power plants, electricity grid, oil and gas wells, oil and gas transmission pipelines, geothermal systems, nuclear reactors, solid oxide fuel cells, turbines, batteries, and CO2 storage systems.

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Deadline for manuscript submissions

closed (31 December 2021)

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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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