# **Special Issue**

# Sensors and Sensing Techniques in Petroleum Engineering

## Message from the Guest Editors

Fiber optic sensing technology has played an important role in oil and gas development by assessing formation rocks, field development, well completion, production, and stimulation. This technology has also been successfully applied in geothermal energy exploration and development. This Special Issue collects research on recent advances in field applications and lessons learned from broad aspects of sensing technology applications in the energy industry. Topics of interest include distributed acoustic sensors for microseismic mapping of rock geomechanical evaluation, subsurface flow characterization, well performance evaluation with distributed temperature and acoustic sensors, and fracture diagnosis with low-frequency distributed acoustic sensors, as well as distributed temperature sensors for thermal energy development efficiency in geothermal fields.

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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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