Digital Technologies in the Petroleum Industry

Guest Editor:

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Deadline for manuscript submissions:
closed (20 August 2021)

Message from the Guest Editor

Dear Colleagues,

The main objective of this Special Issue is to seek research papers to accelerate the development and application of digital technologies in various areas of the petroleum industry. Related technologies include but are not limited to the following subjects:

- Artificial intelligence and automation: planning, forecasting, and improving safety in the oil and gas industry from surveying and continuous monitoring.
- Big data and data analytics: analysis of 3D seismic surveys, drilling data, production data, or the monitoring of production facilities.
- Internet of things and electronic monitoring: collection and analysis of real-time data on machinery, pipes, storage, transportation, and employee safety with IoT devices and sensors.
- 3D virtual modelling: accurate, high-resolution 3D digital models for the monitoring and inspection of both inaccessible and/or dangerous oil and gas facilities.

Prof. Dr. Kun Sang Lee
Guest Editor

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Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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