



Trends and Prospects in Intelligent Drilling Technology

Guest Editors:

Dr. Baochang Liu

Department of Exploration and Drilling Engineering, Construction Engineering College, Jilin University, Changchun 130026, China

Dr. Qilong Xue

School of Engineering and Technology, China University of Geosciences (Beijing), Beijing 100083, China

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Message from the Guest Editors

With the application of high-tech solutions for exploration and development, petroleum science and technology will gain informative, intelligent, and visual approaches in the upcoming years. Future drilling technology will be more precise, efficient, and intelligent; less costly; and more environmentally friendly. With the further development of new materials, detection controls, microelectronics, telecommunications, computers, robots, and ultramicrotechniques, new intelligent drilling technologies will emerge and become the main development direction of drilling technologies in the 21st century.

This Special Issue is devoted to trends and prospects in intelligent drilling technology. Potential topics include but are not limited to:

- New understandings of intelligent drilling technology;
- The prospective intelligent drilling technology of tomorrow;
- New trends in vibration and well trajectory control;
- Measurement and data processing;
- Measurement while drilling;
- Information management systems;
- Drilling fluid management and disposal.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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