

Special Issue

Oil and Gas Drilling Processes: Control and Optimization

Message from the Guest Editors

The Special Issue, entitled “Oil and Gas Drilling Processes Control and Optimization”, will curate novel or practical advances in research on the use of numerical, experimental, analytical, and field studies related to drilling processes. The studies of rock mechanics, fluid mechanics, and parameter optimization are all linked. Topics include, but are not limited to, the following:

- The development of numerical or analytical methods for fluid mechanics and rock mechanics-related behaviors during drilling and production;
- The development of experimental methods related to fluid mechanics and rock mechanics in drilling;
- Numerical and/or experimental methods in the characterization of multiphase flow in wellbores during drilling, completion, or production;
- Formation evaluation techniques related to control and optimization during drilling and production.

Guest Editors

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Deadline for manuscript submissions

closed (2 March 2025)



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Editor-in-Chief

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