



Advances in Computational Intelligence and Machine Learning Techniques for Exploration and Production in the Oil and Gas Industry

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Message from the Guest Editors

This Special Issue will collect original research or review articles on the recent development of Computational Intelligence and Machine Learning techniques applied to Exploration and Production (E&P) in the Oil and Gas Industry. The preferred subjects for the Special Issue include items like geological risk assessment, reservoir characterization, seismic interpretation (including horizons picking, facies classification, fault and salt domes detection and others), seismic inversion, production history matching, time-lapse inversion, planning and optimization of drilling and completion operations, digital twins for systems monitoring and maintenance. Any Computational Intelligence and Machine Learning research topic contributing to the energy area (focusing in the oil and gas sector) are welcome.

- computational intelligence and machine learning
- deep learning
- seismic interpretation
- seismic inversion
- production forecasting and optimization
- predictive maintenance





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Message from the Editor-in-Chief

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