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Artificial Intelligence/Machine Learning Applications in the Oil and Gas Industry

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Message from the Guest Editors

Dear Colleagues,

We have the pleasure of inviting submissions to a Special Issue of *Energies* on the subject area of “Artificial Intelligence/Machine Learning Applications in the Oil and Gas Industry”.

Artificial intelligence and machine learning (AI&ML) have been used in petroleum engineering applications, with the possibility of combining the advantages of both traditional and intelligent modeling approaches to develop more powerful and faster computational tools. AI&ML capabilities perceive the relationship among relevant data and develop models based on the available measurements or simulated data. This characteristic makes the data-driven approach a viable modeling technology specifically for cases with complex physics. Promising results have been obtained in the application of data-driven techniques for resolving a wide variety of modeling problems such as history matching, well placement, production forecasting, injection strategies, CO₂ storage and optimization and many more.

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Special Issue



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Message from the Editor-in-Chief

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