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

Message from the Guest Editors

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, CO_2 storage and optimization and many more.

Guest Editors

Dr. Ashkan Jahanbani Ghahfarokhi

Department of Geoscience and Petroleum, Norwegian University of Science and Technology, S. P. Andersens veg 15b, 7031, Trondheim, Norway

Dr. Alv-Arne Grimstad

SINTEF Industry, Department of Petroleum, S.P. Andersens vei 15B, Trondheim, NO-7031, Norway

Deadline for manuscript submissions

closed (15 August 2023)

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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