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Data Science in Reservoir Modelling Workflows

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Deadline for manuscript submissions:
closed (25 May 2023)

Message from the Guest Editors

Dear Colleagues

Recent trends in reservoir modelling continue to show a keen interest in machine learning and data mining applications. This Special Issue aims to support the dissemination and exchange of recent progress on this topic.

We would like to invite original research contributions to the Special Issue that will cover machine learning and data mining applications including but not limited to the following topics:

- Analysis, inference and integration of core samples and imaging data;
- Knowledge discovery and integration from outcrop and analogue data;
- Seismic inverstion with machine learing;
- Automatic seismic interpretation and integration into geo-modelling workflows;
- Machine learning for discrete and continuous reservoir property modelling;
- Reservoir flow prediction modelling and uncertainty—learning from data;
- Decision making based on information and knowledge mined from large reservoir data sets.

Prof. Dr. Vasily Demyanov
Dr. Leonardo Azevedo
Guest Editors

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Message from the Editor-in-Chief

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