InterPore2023



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Type: Oral Presentation

Deep learning aided pore scale modelling

Monday, 22 May 2023 11:20 (15 minutes)

Pore scale imaging and modelling have played an enormous role in advancing knowledge in complex transport phenomena within porous media. We discuss new challenges and directions in pore-scale research by integrating artificial intelligence. These include the recreation of porous media images at a super-resolution, multimineral segmentation and prediction of petrophysical properties with applications in underground reservoir simulation, ore characterisation and groundwater modelling.

Participation

In-Person

References

MDPI Energies Student Poster Award

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Energy Transition Focused Abstracts

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