

Mads Christian Lund Lorentzen

Postdoc

Geology

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Short presentation

Geophysicist with solid qualifications in Python. Sharp analysis and interpretation skills in geophysical data processing, rock physics, and seismic inversion. Passionate about open source software development with a focus on artificial intelligence and machine learning implementation in geoscience. Enthusiastic communicator of complex physical processes - particularly within the field of earth sciences.

Employment

Postdoc

Geology

København K, Denmark

31 Jul 2022 → nu

Postdoc

Geology

København K, Denmark

1 Aug 2022 → 31 May 2023

Research outputs

Applying supervised learning methods to geophysical data from the Lower Cretaceous succession in the Danish North Sea: Uncovering the heterogeneous chalk reservoir

Lorentzen, Mads Christian Lund, 2022, Department of Geosciences and Natural Resource Management, Faculty of Science, University of Copenhagen. 149 p.

Estimation of shear sonic logs in the heterogeneous and fractured Lower Cretaceous of the Danish North Sea using supervised learning

Lorentzen, Mads Christian Lund, Bredesen, K., Mosegaard, Klaus & Nielsen, Lars, 2022, In: Geophysical Prospecting. 70, 8, p. 1410-1431 22 p.

Mapping Cretaceous faults using a convolutional neural network - A field example from the Danish North Sea

Lorentzen, Mads Christian Lund, Bredesen, K., Smit, F. W. H., Hansen, T. H., Nielsen, Lars & Mosegaard, Klaus, 2022, In: Bulletin of the Geological Society of Denmark. 71, p. 31-50 20 p.

Quantitative seismic interpretation of the Lower Cretaceous reservoirs in the Valdemar Field, Danish North Sea

Bredesen, K., Lorentzen, Mads Christian Lund, Nielsen, Lars & Mosegaard, Klaus, 1 Nov 2021, In: Petroleum Geoscience. 27, 4, 17 p., petgeo2021-016.