



Machine Learning in Petrophysics

Brisbane Seminar

Date: Thursday, 25 March 2021

Time: 15:30 to 16:30 pm

Registration: Please register online at
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Numbers are limited, book early to avoid disappointment!

Place: Online

Cost: FESQ and student members free

Presented by: Doug Edwards, Software Architect, Emerson

Abstract:

Machine learning has again become a popular topic. This talk will describe practical machine learning techniques as applied to well log data. A number of unsupervised and supervised techniques will be discussed. Particular attention will be paid to technical considerations when applying machine learning to well log data including practicalities of cluster ordering, hierarchical models and ability to justify predictions. Techniques for analysing uncertainty in the predictions will also be covered.



About the presenter:

Doug Edwards is a Software Architect with Emerson. He has worked on the Geolog Formation Evaluation product suite since 2002. He has experience developing computer software in the petroleum, banking, medical robotics and building automation industries. He holds a Bachelor of Electrical Engineering (Computer Systems) from the University of Queensland. His interests include computer graphics, visualisation and computational algorithms. He is a member of IEEE, IEEE Computer Society, ACS, SPWLA and SPE



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