SPWLA Asia Pacific
2024 Regional Conference – Bangkok Thailand

“Traditional and Transitional Petrophysics”
“Enhancing and Integrating Petrophysics into the challenges of Today and Tomorrow”

REGISTRATION OPEN

Register Here

October 2024 - Conference Schedule

Sunday 6th - Field Trip (optional)
Monday 7th - New Technology Forum & Conference Dinner
Tuesday 8th - Technical Session 1
Wednesday 9th - Technical Session 2
Thursday 10th - Technical Workshops (optional, details below)
- or Golf Day (optional, details below)

Registration includes: 3-day Conference Sessions, with Conference Banquet and Drinks (Sponsored by SDI)

Venue - Centara Grand Hotel Ladprao Bangkok

Email Nattakamth@chr.co.th for special hotel room rates.
Sunday 6th October 2024

Field Trip

AYUTTAYA | FULL DAY | BY Bus | MAX 30 PAX
A Field Trip is arranged to see historic Ayutthaya, with additional stops for a (Recent fluvial system) at Chai Wattanaram Temple, and a Paleo Shoreline at Chedi Hoi Temple.

The Field trip will depart from the Centara Hotel at 08:00 and return by 18:30 pm. All snacks and lunch are included in the price.

Schedule

8:00  Depart for Ayutthaya from Centara Ladprao
9:30  Visit main ruins in Ayutthaya
12:00 – 13:30   Lunch in Ayutthaya
13:40  Chai Wattanaram Temple Recent Fluvial System
16:00  Chedi Hoi Temple Paleo Shoreline
17:00  Leave for Bangkok
18:30  Arrive at Centara Ladprao

Price per person: $75

Included in the trip - Transportation, Breaks, Lunch
Sightseeing trip in the Historic City of Ayutthaya!

What to bring:
Hat, Sunglasses, Hiking/comfortable closed-in shoes

Special Thanks to
Department of Geology, Chulalongkorn University

SPWLA Asia Pacific Regional Conference 2024
Machine Learning Workshop - Price per person: $75

Applied Machine Learning Workshop with Microsoft ML.Net

Machine Learning has become a hot topic in the petrophysics community with recent advances and libraries made available to end-users through easy-to-use platforms such as Python. It is often a challenge, however, to get data in and out of the machine learning platforms from petrophysics interpretation software.

This workshop will provide an applied workflow to using Microsoft’s ML.Net library with Interactive Petrophysics and on a standalone basis. Topics will include: an introduction to machine learning algorithms and basic theory, data conditioning and preparation, comparison of new to older well known prediction algorithms, and how to utilize regression, classification, and time series implementations from ML.Net on petrophysics data.

Emphasis will be placed on creating applications in Visual Studio with CLR (C#) using Interactive Petrophysics’ API for input/output. The attendees should get an understanding of how to use the newer ML algorithms, performance, and gain a tangible workflow and the necessary skills to create computer software to perform advanced curve prediction or classification on their own data sets.

Ryan Banas holds a BSc in Electrical/Computer engineering and an MSc in Geophysics. He has over 20 years of experience in oil and gas and software development. During his time, he has worked in roles as a field engineer, petrophysicist, reservoir engineer, and software engineer. He has worked on assets globally with a focus in the Permian Basin on developing software and workflows to improve the process of unconventional reservoir evaluation and modeling.

He is currently working as a consultant providing petrophysics, geomechanics, reservoir/hydraulic fracture modeling, training, and custom geoscience/engineering software solutions for operators.
Thursday 10th October 2024 – Afternoon Session

Petrophysics Uncertainty Workshop - Price per person: $75

Quantifying Petrophysical Uncertainty. Why is it important and how should we do it? Rick Aldred, Consultant Petrophysicist.

Asset value is generally based on ‘proven’ estimates of hydrocarbons in place, and it is uncertainty that separates the ‘proven estimate’ from the ‘best technical estimate’. Therefore, quantifying petrophysical uncertainty is the key to demonstrating the value of data and the value that petrophysics brings to an asset.

There are various different methods commonly used for modelling petrophysical uncertainty and it is essential that they are applied correctly. To illustrate this a comparison of different methods is presented, highlighting the strengths and weaknesses of each and demonstrating how inappropriate techniques generally overestimate uncertainty and reduce asset value.

Uncertainty modelling also provides a method for understanding the value of information which helps in determining priorities, designing ‘fit for purpose’ logging and coring programs and justifying the costs of each aspect of data acquisition and interpretation.

The workshop will also discuss how petrophysical uncertainty is addressed in the Petroleum Resource Management System (PRMS) and consider opportunities for reviewing this reference, now that the SPWLA is involved.

Rick Aldred is a consultant petrophysicist based in Brisbane with 44 years’ industry experience, 41 of those in Petrophysics. These include 15 years with operating oil companies, 10 years with logging companies providing consulting services, 10 years in petrophysical software development (including researching and writing the uncertainty modules in Geolog software) and 9 years as an independent consultant. During this time he has worked in Western Europe, North Africa, The Middle East, The Indian Subcontinent, East and South-East Asia, North and South America, and Australia.

He is currently working as a consultant, specializing in building software solutions to solve complex petrophysical problems, training in advanced petrophysical applications and general petrophysical interpretation work.
Registration Open
October 6-9th 2024

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For more information, please email: ap2024@spwla.org