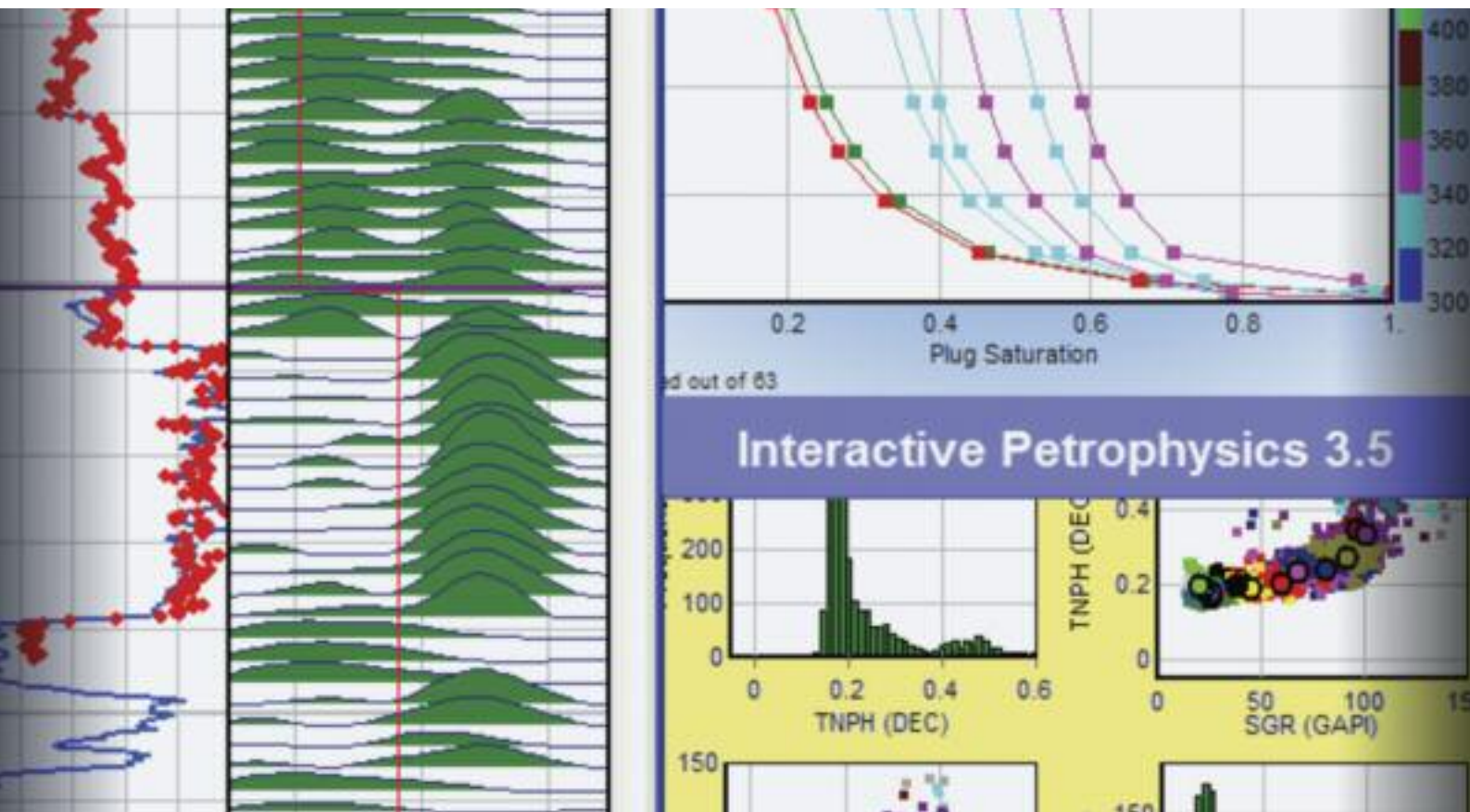




IP courses

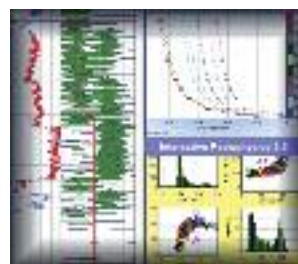
Advanced Interactive Petrophysics 3.5

Developed by petrophysicists, for petrophysicists.



This unique, Senergy-developed course provides both experienced users and novices with enhanced skills in IP.

The deeper understanding gained will enable them to make full use of software.



Interactive Petrophysics has been developed over 10 years and is now used by over 300 companies, in more than 70 countries globally.



IP aims

Interactive Petrophysics 3.5 was developed by a petrophysicist, with a view to work as petrophysicists want to work, but never thought possible! The software is different by design - portable, quick and versatile. It is an easy-to-use log analysis tool, ideal for both geologists and petrophysicists. Geologists may wish to quality check of their log data and experienced petrophysicists can carry out multi-zone, multi-well petrophysical field analyses.

Course benefits

On completion, course students will: understand the fundamental concepts and approaches used be familiar with IP advanced modules user interface be aware of pitfalls and limitations be able to graphically present results be familiar with short cuts, alternative approaches and hidden features be familiar with user programming know how to report the parameters used and the results

Who should attend?

Anyone who needs to use the advanced modules and features within IP. It is relevant for IP users who already have some experience of these modules, as well as users who have not.

Duration

2 days

Course Instructors

This course will be presented by Senergy's principal petrophysicists who not only have supported the development of the software and are expert users and mentors, but are highly-experienced practising petrophysicists. Senergy's petrophysical team bring over 350 years of experience on complex petrophysical issues obtained in diverse geological and geographical areas, on both conventional and unconventional reservoirs.

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Frank Whitehead - Interactive Petrophysics Development Manager

Course description and modules

The course will be conducted using a combination of lectures and hands-on use of the software.

The style of the training is to include an introduction to petrophysics concepts and techniques along with the subsequent application in IP. The conventional course synopsis can be fine-tuned to meet the needs of a particular audience:

Introduction to IP

Uncertainty analysis

- tornado plots
- Monte Carlo error analysis
- multi-well Monte Carlo

Statistical curve prediction

- fuzzy logic
- neural network
- multi linear regression

Lithology

- rock typing - cluster analysis
- mineral solver
- multi mineral option in Por/Sw module

Rock physics

- shear QC and prediction
- fluid substitution
- elastic impedance

Saturation height functions

- cap pressure QC and corrections
- capillary pressure functions
- functions from logs

Nuclear magnetic resonance

- NMR normalisation
- NMR interpretation

Pore pressure prediction

- overburden gradient
- pore and fracture pressure

Through casing saturation

- standalone pulsed neutron
- time-lapse pulsed neutron

Eastern European resistivity corrections

- with normal
- lateral only

User programming