

Utah Area – Based Events (USA)

Duration

Full day 5 days

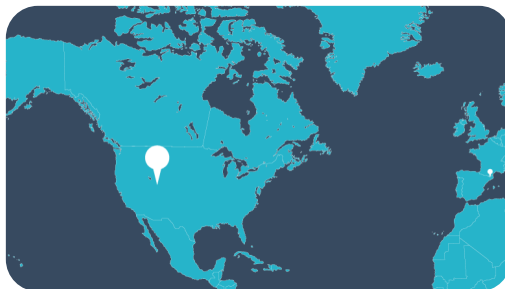
5 days, depending on content.

Learning Level

Skills ● ● ●
Knowledge ● ● ●
Awareness ● ● ●

Designed for:

The course is designed for Geoscientists, Petrophysicists, Reservoir Engineers and Well Engineers. Ideally structured for groups working in multi-discipline asset-based teams.



Course Tutors



John Howell PhD
25+ years - geoscience
John tutors courses in the Reservoir and Open Air series. He has a career background at Gaps, University of Liverpool, University of Bergen, Rocksource ASA, and the University of Aberdeen. John has published over 120 scientific articles and edited five books.



Douglas Paton PhD
20+ years – geoscience
Douglas develops and runs courses in the Reservoir and Open Air series. He has a career background at Conoco-Phillips, Chevron, BHP, Saudi Aramco and TectonKnow. Douglas has published over 60 scientific articles and papers and is an invited committee member, GCSSPEM Roberts meeting (2021); Invited member for AAPG International Research Committee (2017-present).

World-class distributive fluvial and shoreface analogues

Field visit to world-class exposures of clastic systems with sequence stratigraphic-influenced architectures.

Kilometre-scale outcrops with finescale architectural detail, understanding of which underlies attempts to correlate and model complex clastic reservoir systems.

What's here?

Km-scale shoreface exposures.
Incised valley fills.
Distributive fluvial sequences.
Brent Group analogues (Ness, Etive, Rannoch).
Textbook sequence stratigraphic examples.

Course Content

Day 1 – Salt Lake City: shoreface sedimentology and sequence stratigraphic overview. Book Cliffs: lithostratigraphy vs. high resolution sequence stratigraphy.

Day 2 – Gentile Wash: marine to non-marine correlation at the parasequence scale; fluvial vs. shoreface parasequences.

Day 3 – Woodside Canyon: shoreface with estuarine incised valley; IVFs vs. distributary channels and internal heterogeneity.

Day 4 – Green River: shallow marine correlation exercise supported by synthetic seismic; forced regressions and lowstands.

Day 5 – Emery Sst. and Joe's Valley: growth-faulted deltaic parasequences; large scale fluvial stacking patterns. Access Road and canyon access; minimal walking Logistics Salt Lake City, Green River, Helper and optionally Moab. Transport by 4WD.

Access

Road and canyon access; minimal walking

Logistics

Salt Lake City, Green River, Helper and optionally Moab. Transport by 4WD.

