

SUBJECT AREA GUIDES



- Basin Analysis
- Carbon Capture and Storage
- Carbonates
- Clastics
- Commercial and Risk
- Data Analytics
- Energy Transition
- Facilities and Surface Operations
- Geophysics and Seismic Interpretation
- Oil and Gas Fundamentals
- Petrophysics
- Production Engineering
- Reservoir Development
- Reservoir Engineering
- Stratigraphy
- Structure and Tectonics
- Unconventional Resources
- Well Planning and Drilling
- Professional Skills Development

Mode of Delivery



Skill Level




BASIN ANALYSIS


SUBJECT AREA GUIDES

General


N249
Advanced Pore Pressure Prediction Workshop: Concepts, Mechanisms, and Workflows
 Peter Flemings
 Level: Skilled Duration: 4 Days




N298
Reservoir Analogues for the Southwestern Barents Sea: Outcrop Examples from Svalbard (Norway)
 Erling Siggerud and Andy Thurlow
 Level: Skilled Duration: 6 Days




N343
Depositional Evolution of the GOM Sedimentary Basin
 John Snedden
 Level: Skilled Duration: 3 Days



N550
North Sea Multiphase Rift Evolution: Outcrop to Subsurface Perspectives on Stratigraphy, Sedimentology & Petroleum Systems (East Coast, UK)
 David Macdonald and John Howell
 Level: Skilled Duration: 5 Days



N361
Petroleum Geology of Kurdistan
 Richard Jones
 Level: Foundation Duration: 5 Days




N467
Seismic Stratigraphy of the Permian Basin (W Texas & SE New Mexico, USA)
 Vitor Abreu
 Level: Foundation Duration: 5 Days




Petroleum Systems


N129
Hydrocarbon Habitat in Rift Basins
 Joe Lambiasi
 Level: Skilled Duration: 5 Days




N522
Integrated Charge Access Evaluation: The Key to Successful Exploration
 Leon Dzou and Mark Thompson
 Level: Skilled Duration: 3 Days




N598
Geochemistry, Petroleum Systems Modelling, and Charge Evaluation
 Leon Dzou and Mark Thompson
 Level: Skilled Duration: 5 Days



N720
Petroleum System and Charge Evaluation
 Leon Dzou
 Level: Skilled Duration: 3 Days



N043
Gulf of Mexico Petroleum Systems
 Mark Rowan, John Snedden, Adry Bissada, Lesli Wood
 Level: Foundation Duration: 5 Days




Play Fairway Analysis, Prospect Analysis


N320
Prospect, Trap and Fault Seal Analysis: Mapping Key Uncertainties (Miri, Malaysia)
 Titus Murray and Howard Johnson
 Level: Skilled Duration: 5 Days




N087
Play Fairway Analysis and Exploration Prospecting
 Bob Boyce and Andy Pulham
 Level: Foundation Duration: 5 Days



N425
Play Analysis for Targeted Prospect Identification
 Mark Thompson or Leon Dzou
 Level: Foundation Duration: 4 Days



N491
Play and Prospect Assessment
 Leon Dzou and Mark Thompson
 Level: Foundation Duration: 5 Days



Basin Analysis

Carbon Capture and Storage

Carbonates

Clastics

Commercial and Risk

Data Analytics

Energy Transition

Facilities and Surface Operations

Geophysics and Seismic Interpretation

Oil and Gas Fundamentals

Petrophysics

Production Engineering

Reservoir Development

Reservoir Engineering

Stratigraphy

Structure and Tectonics

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Mode of Delivery



Skill Level




CARBON CAPTURE AND STORAGE


SUBJECT AREA GUIDES

General


N538
Repurposing Subsurface Petroleum Skills for CCUS
 Alex Bump / Seyyed Hossieni / Katherine Romanak
 Level: Skilled Duration: 3 Days




N577
Outcrop Analogues for CO2 Storage (Devon and Dorset, UK)
 Richard Worden and Howard Johnson
 Level: Skilled Duration: 5 Days




N586
The Geoscience of CCS Using Virtual 3D Outcrop Analogues and Virtual Core
 Tip Meckel and Jurriaan Reijs
 Level: Skilled Duration: 2 Days




N549
Subsurface Characterization, Screening and Site Selection for Geologic CO2 Storage Sites
 Alex Bump and Susan Hovorka -
 Level: Skilled Duration: 2 Days




EC003
Fundamentals of CCS
 N/A
 Level: Foundation Duration: 5 hours




EC004
Geological Storage of CO2
 N/A
 Level: Foundation Duration: 5 hours




EC005
Behaviour of CO2 in Reservoirs
 N/A
 Level: Foundation Duration: 6 hours




EC006
Monitoring CO2 Storage
 N/A
 Level: Foundation Duration: 4 hours




EP001
CCS for Geoscientists and Engineers - Course Bundle
 N/A
 Level: Foundation Duration: 25 hours




N535
Foundational Understanding for CCS and Hydrogen Underground Storage
 Srikanta Mishra
 Level: Foundation Duration: 2 Days



N565
Carbon Capture and Storage for Geoscientists and Engineers
 Richard Worden
 Level: Foundation Duration: 3 Days




N668
The Economics of CCS Projects
 Andy Kirchin
 Level: Foundation Duration: 1 Days




Specialist


N584
Storage Exploration – Screening and Selection of CO2 Sites
 Pete Smith and Jim Lorsong
 Level: Skilled Duration: 2 Days




N585
CO2 Containment and Storage Monitoring
 Jim Lorsong
 Level: Skilled Duration: 2 Days




N590
Geomechanics for CCS Projects
 Kes Heffer and Nick Koutsabeloulis
 Level: Skilled Duration: 2 Days




N591
Geochemistry of CCS: Reservoirs, Seals and the Engineered Environment
 Richard Worden
 Level: Skilled Duration: 2 Days




N592
Well Engineering for CO2 Storage Applications
 Jonathan Bellarby
 Level: Skilled Duration: 3 Days




N593
Reservoir Characterisation and Simulation for CCS
 Andy Woods and Pete Smith
 Level: Skilled Duration: 2 Days




N594
CO2 Plume Behaviour in a Reservoir
 Andy Woods
 Level: Skilled Duration: 1 Days




N579
Understanding Faults and Fault Rupture – Applications to Fluid Trapping, Pressure Containment, and Induced Seismicity for Hydrocarbons and CCS (Utah, USA)
 Peter Hennings and Robert Krantz
 Level: Skilled Duration: 5 Days




EC007
Petrophysics for CCS
 N/A
 Level: Skilled Duration: 7 hours



N548
Reservoir Modelling for Storage
 Tim Wynn
 Level: Foundation Duration: 3 Days



N553
Monitoring Geologic CO2 Storage Sites
 Susan Hovorka and Katherine Romanak
 Level: Foundation Duration: 2 Days



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Skill Level



CARBONATES

General

N059
Carbonate Systems and Facies Architecture: Exploration and Reservoir Implications (Mallorca & Menorca, Spain)
 Juan Ignacio Baceta and Guillem Mateu
 Level: Skilled Duration: 5 Days

N073
Integration of Sedimentology, Petrophysics and Seismic Interpretation for Exploration and Production of Carbonate Systems
 Gregor Eberli
 Level: Skilled Duration: 4 Days

N091
Carbonate Reservoir Architecture and Applied Carbonate Sequence Stratigraphy (West Texas and SE New Mexico, USA)
 Art Saller and Steve Bachtel
 Level: Skilled Duration: 5 Days

N143
Advanced Concepts in Carbonate Exploration and Reservoir Characterisation (Northern Spain)
 Paul Wright, Giovanna Della Porta, Juan Ignacio Baceta, Juan Bahamonde and Mikel Lopez-Horgue
 Level: Skilled Duration: 6 Days

N186
Complex Carbonate Reservoirs: Influence of Facies and Tectonic Processes on Porosity Development (Southern Italy)
 Raffaella Di Cuia and Davide Casabianca
 Level: Skilled Duration: 6 Days

N310
Carbonate Reservoir Characterisation and Modelling (Provence, France)
 Mark Bentley and Richard Oxlade / Ed Stephens
 Level: Skilled Duration: 5 Days

N329
Improved Models for Exploration and Production Scale Heterogeneity on Isolated Carbonate Platforms: Crooked-Acklins Platform (Southern Bahamas)
 Gene Rankey
 Level: Skilled Duration: 5 Days

N358
Fine-Grained Carbonate Reservoirs (Etretat, Northern France)
 Andy Gale
 Level: Skilled Duration: 4 Days

N416
Southeast Asian Carbonate Systems and Reservoirs
 Moyra E. J. Wilson
 Level: Skilled Duration: 4 Days

N588
Facies, Processes, and Stratigraphic Architecture of Carbonate Slope Channels, Sediment Waves, and MTDs, Mississippian Fort Payne Fm (Kentucky-Tennessee, USA)
 C. Robertson Handford
 Level: Skilled Duration: 4 Days

W006
Depositional Systems of the South Atlantic Pre-Salt: refining models for exploration and development
 Paul Wright
 Level: Skilled Duration: 2 Days

N020
Carbonate Depositional Systems: Reservoir Sedimentology and Diagenesis
 Paul Wright
 Level: Foundation Duration: 5 Days

N189
Fundamental Concepts of Carbonate Depositional Systems and Reservoirs
 Dan Bosence
 Level: Foundation Duration: 5 Days

N494
Controls on Carbonate Depositional Systems and Reservoir Characterisation (Oligo-Miocene - Apulia, Italy)
 Michele Morsilli
 Level: Foundation Duration: 5 Days

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CLASTICS

SUBJECT AREA GUIDES

General

N195
Deltaic to Deepwater Depositional Systems of NW Borneo - Concepts and Models for Reservoir Prediction (NW Borneo, Malaysia)
 Howard Johnson
 Level: Skilled Duration: 6 Days

N309
Fluvial Reservoir Architecture From Modern and Ancient Systems (Nebraska, USA)
 Chris Fielding and Matt Joeckel
 Level: Skilled Duration: 5 Days

N451
Practical Oil-Finders Guide to Siliciclastic Sequence Stratigraphy (Wyoming, USA)
 Lee Krystinik and Randi Martinsen
 Level: Skilled Duration: 6 Days

N492
Clastic Depositional Systems in SE Asia: Concepts and Models for Reservoir Characterisation and Prediction
 Joseph Lambiase
 Level: Skilled Duration: 5 Days

N514
Clastic Reservoirs from Source to Sink: Low-Accommodation versus High-Accommodation Basin Settings (Wyoming, USA)
 Ron Steel and Cornel Olariu
 Level: Skilled Duration: 5 Days

N523
Sandstone Diagenesis and Reservoir Quality
 Richard Worden
 Level: Skilled Duration: 3 Days

N544
Source to Sink: Provenance, Sediment Routing and Reservoir Characterisation (Southern Pyrenees, Spain)
 Philip Hirst and Gary Nichols
 Level: Skilled Duration: 5 Days

N155
Introduction to Clastic Depositional Systems: a Petroleum Perspective
 John Howell / Gary Nichols / Adrian Hartley
 Level: Foundation Duration: 5 Days

N156
Clastic Depositional Systems in a Basinal Framework: Exploration and Reservoir Implications (Pyrenees, Spain)
 Miguel Lopez and Pau Arbues
 Level: Foundation Duration: 6 Days

N285
Clastic Diagenesis and Reservoir Quality Modeling
 Rick Tobin
 Level: Foundation Duration: 3 Days

N450
Clastic Reservoir Characterization: The Importance of Recent Sand Models to Aid Subsurface Interpretations
 Larry Meckel
 Level: Foundation Duration: 3 Days

Continental and Shallow Marine

N027
Reservoir Sedimentology and Stratigraphy of Continental Clastic Systems (Wyoming, USA)
 Lee Krystinik and Beverley Blakeney DeJarnett / Randi Martinsen
 Level: Skilled Duration: 6 Days

N042
Reservoir Sedimentology and Stratigraphy of Coastal and Shelfal Successions: Deltas, Shorelines and Origins of Isolated Sandstones (NW Colorado, USA)
 Andy Pulham and Lee Krystinik / Kathryn Sementelli
 Level: Skilled Duration: 5 Days

N115
High Resolution Sequence Stratigraphy: Application to Deltaic Systems and Reservoirs (County Clare, Ireland)
 Andy Pulham and Sarah Davies
 Level: Skilled Duration: 6 Days

N359
Sedimentology and Sequence Stratigraphy of Aeolian and Mixed Fluvial-Aeolian Depositional Systems: Implications for Hydrocarbon Exploration and Reservoir Development (Utah, USA)
 Nigel Mountney
 Level: Skilled Duration: 5 Days

N387
Exploration and Development in Fluvio-Lacustrine Systems
 Gary Nichols & Philip Hirst
 Level: Skilled Duration: 3 Days

N403
Reservoir Sedimentology of Fluvial - Shallow Marine Facies (Isle of Wight, UK)
 Gary Nichols
 Level: Skilled Duration: 3 Days

N499
Shallow Marine Reservoir Analogues and their Application to the Jurassic of the North Sea (Isle of Skye and Raasay, UK)
 Ronald Steel and Uisdean Nicholson
 Level: Skilled Duration: 5 Days

N530
Shore to Shelf Edge Depositional Systems (Virtual Outcrops)
 Philip Hirst
 Level: Skilled Duration: 3 Days

N532
Aeolian and Dryland Fluvial Reservoirs: Field and Virtual Outcrop (Elgin, UK)
 John Howell
 Level: Skilled Duration: 3 Days

N655
Fluvial-Aeolian Reservoir Analogues - Outcrop to Subsurface Perspectives NE Scotland and Orkney
 Adrian Hartley
 Level: Skilled Duration: 5 Days

N669
Continental and Shallow Marine Depositional Environments Sampler (Utah, USA)
 Anton Wroblewski
 Level: Foundation Duration: 5 Days

N670
Fluvial and Coastal Clastic Depositional Environments (Texas Gulf Coast, USA)
 Anton Wroblewski
 Level: Foundation Duration: 5 Days

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Skill Level




CLASTICS

Deep Water

N009
Sedimentology, Stratigraphy and Reservoir Geology of Deepwater Clastic Systems (County Clare, Ireland)
 Andy Pulham
 Level: Skilled Duration: 5 Days




N056
Turbidite Systems and Their Response to Thrust and Fold Structures (Pyrenees, Spain)
 Josep Anton Muñoz and Pau Arbues
 Level: Skilled Duration: 6 Days




N107
Turbidite Facies Architecture, Reservoir Applications and Predictive Stratigraphy (Karoo, South Africa)
 De Ville Wickens & Dave Hodgson
 Level: Skilled Duration: 5 Days




N112
Basin-Scale Analysis of a Confined Turbidite System (Grès d'Annot, SE France)
 David Stanbrook and Gill Apps
 Level: Skilled Duration: 6 Days




N252
Reservoir Geology of Deepwater Systems: Processes, Architecture and Reservoir Quality Analysis (Alps, France)
 Bill McCaffrey
 Level: Skilled Duration: 5 Days



N292
Deepwater Depositional System Stratigraphy for Exploration and Development (Arkansas, USA)
 Lesli Wood and Mac McGilvery
 Level: Skilled Duration: 5 Days




N442
Reservoir Architecture of Deepwater Systems (California, USA)
 Vitor Abreu
 Level: Skilled Duration: 5 Days




N483
Deepwater Stratigraphy and Facies Analysis from Seismic, Well Data and Outcrops
 Mike Mayall
 Level: Skilled Duration: 3 Days



N526
Sequence Stratigraphic Controls on Deepwater Reservoirs Architecture: Brushy Canyon Formation, Permian Basin (West Texas and New Mexico, USA)
 Vitor Abreu
 Level: Skilled Duration: 5 Days



N533
Deepwater Depositional Systems (Virtual Outcrops)
 Mike Mayall and Phil Hirst
 Level: Skilled Duration: 3 Days




N574
Submarine Fan Architecture from the Upper Slope to the Distal Basin Floor: Implications for Reservoir Distribution and Development (Southwestern Karoo Basin, South Africa)
 Dave Hodgson and De Ville Wickens
 Level: Skilled Duration: 5 Days



N589
From Trap to Reservoir in Deepwater Fold and Thrust Systems: Integrating Depositional Processes and Products with Structural Geology (Alps, France)
 Adam McArthur and Rob Butler
 Level: Skilled Duration: 6 Days



N468
Deepwater Reservoirs – Exploration Risking and Development Characterisation
 Vitor Abreu
 Level: Foundation Duration: 5 Days



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Skill Level





COMMERCIAL AND RISK

				General			
N503 Economic Risk Analysis for Upstream Projects Ed Jankowski and Pete Smith Level: Skilled Duration: 5 Days	N572 Petroleum Economics, Risk and Uncertainty Pete Smith Level: Skilled Duration: 5 Days	N721 Resource Risk and Economic Evaluation Pete Smith Level: Skilled Duration: 3 Days	N988 PRMS Reserves & Resource Assessment Jim Bradley / Ed Jankowski / Gordon Taylor Level: Skilled Duration: 2 Days				
N995 Managing Uncertainty and Risk in Appraisal and Development Pete Smith Level: Skilled Duration: 5 Days	N814 Petroleum Economics and Decision Analysis Ed Jankowski Level: Foundation Duration: 2 Days	N839 Strategic Procurement Skills for Oil and Gas Professionals Rob Maguire Level: Foundation Duration: 2 Days	N014 Petroleum Economics and Risk Analysis Mark Cook Level: Foundation Duration: 5 Days				
N510 Mitigating Bias, Blindness and Illusions in E&P Decision Making Creties Jenkins / Marc Bond Level: Foundation Duration: 2 Days	N536 Petroleum Economics, Risking and Decision-Making Pete Smith Level: Foundation Duration: 2 Days	N541 Petroleum Economics, Risk and Uncertainty Pete Smith Level: Foundation Duration: 3 Days	N604 Introduction to Energy Trading and Hedging Detlef Hallermann Level: Foundation Duration: 2 Days				
N620 Fundamentals of Petroleum Industry Economics Gerald Henderson Level: Foundation Duration: 3 Days	N661 Oil & Gas Economic Evaluation Ed Jankowski Level: Foundation Duration: 5 Days	N628 Contract Management for Design & Construction Projects Morley Selver Level: Awareness Duration: 2 Days					

DATA ANALYTICS

				General			
N345 Next Generation Earth Modeling; Integrating Geostatistics, Geoscience, Engineering, and Data Science Jeffrey Yarus Level: Skilled Duration: 4 Days	N479 Applied Statistical Modeling and Big Data Analytics Srikanta Mishra Level: Skilled Duration: 3 Days	N596 Advanced Machine Learning for Subsurface Applications Deepak Devegowda Level: Skilled Duration: 5 Days	EC001 Geostatistics for Reservoir Modelling N/A Level: Foundation Duration: 6 hours				
N557 Geostatistics and Data Science; a Practical Introduction to Quantitative Spatial Modeling Jeffrey Yarus Level: Foundation Duration: 2 Days	N595 Introductory Machine Learning with Applications for Petroleum Engineers and Geoscientists Deepak Devegowda Level: Foundation Duration: 3 Days	N597 Managing Subsurface Data and More - OSDU™ Fundamentals Jürgen Grötsch Level: Awareness Duration: 1 Day					

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Skill Level




ENERGY TRANSITION

General


N531
Mitigating Geohazards in Seafloor Settings
 Lesli Wood
 Level: Foundation Duration: 2 Days




N540
Oil and Gas ESG [Environmental, Social & Governance] Fundamentals
 Gary Cranmer, Liane Butcher, and Phil Crookall
 Level: Foundation Duration: 2 Days



N558
Green House Gas Emissions Quantification and Reporting for Oil and Gas Companies
 Jim Brady
 Level: Foundation Duration: 2 Days




N583
Fundamentals of Low Carbon Energy
 Mark Ireland
 Level: Awareness Duration: 2 Days




Geothermal

N580
Exploration and Development of Deep Aquifer Geothermal for Direct Heat Use
 Mark Ireland
 Level: Foundation Duration: 3 Days




Hydrogen


N664
Developing Green Hydrogen Knowledge and Skills Across the Value Chain
 Sandy Petrie
 Level: Foundation Duration: 3 Days




N665
Natural Hydrogen Exploration
 Jürgen Grötsch
 Level: Foundation Duration: 3 Days



N663
Introduction to Green Hydrogen
 Sandy Petrie
 Level: Awareness Duration: 1 Days



N667
An Introduction to Natural Hydrogen Exploration
 Jürgen Grötsch
 Level: Awareness Duration: 1 Days



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Skill Level




FACILITIES AND SURFACE OPERATIONS

General


N609
API 650, 653, and 620 Storage Tanks
 Philip Myers
 Level: Foundation Duration: 2 Days




N631
Introduction to Centrifugal, Reciprocating and Rotary Pumps - Design, Application and Operation
 John Henderson
 Level: Foundation Duration: 2 Days




N632
Sour Gas Treating
 Edward Wichert
 Level: Foundation Duration: 1 Days




N634
Acid Gas Compression and Injection
 Edward Wichert
 Level: Foundation Duration: 1 Days



N635
Metering of Natural Gas and Associated Liquids
 Edward Wichert
 Level: Foundation Duration: 1 Days




N983
Pipeline and Process Engineering
 Ivor Ellul
 Level: Foundation Duration: 4 Days




N611
Introduction to Crude Oil Gathering and Processing
 Dale Kraus
 Level: Awareness Duration: 2 Days




N612
Introduction to Natural Gas Gathering and Processing
 Dale Kraus
 Level: Awareness Duration: 2 Days




N613
Natural Gas Processing - Dehydration, Refrigeration, and Fractionation
 Dale Kraus
 Level: Awareness Duration: 3 Days



N619
Introduction to ASME B31.3 Process Piping Code
 Don Frikken
 Level: Awareness Duration: 2 Days




N626
Introduction to ASME Section VIII Division 1 Pressure Vessel Code
 John Curry
 Level: Awareness Duration: 3 Days




N627
Reciprocating Compressor Fundamentals
 Dr. Bryan Long / Devin Lavioe
 Level: Awareness Duration: 2 Days




N630
Advanced ASME B31.3 Process Piping Code
 Don Frikken
 Level: Awareness Duration: 2 Days




N636
Fundamentals of Instrumentation and Controls (I&C) Training
 David Clarke
 Level: Awareness Duration: 2 Days




N640
P&ID (Piping and Instrumentation Diagram) and Engineering Drawings Interpretation
 Marcel Leal-Valias / Richard Carter / Jamie Merriam
 Level: Awareness Duration: 2 Days



N643
Sulphur Recovery
 Edward Wichert
 Level: Awareness Duration: 1 Days



N653
LNG Technologies and Production
 Jorge H. Foglietta
 Level: Awareness Duration: 2 Days



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Skill Level



GEOPHYSICS AND SEISMIC INTERPRETATION


SUBJECT AREA GUIDES

General

N409
Improved Hydraulic Fracture Design Using Microseismic Imaging

Shawn Maxwell


Level: Skilled Duration: 2 Days



EC008
Seismic Methods

N/A


Level: Foundation Duration: 5 hours



N080
Geophysics for Subsurface Professionals

Steve Western


Level: Foundation Duration: 3 Days



N452
Gravity and Magnetics for Petroleum Exploration

Tim Archer


Level: Foundation Duration: 3 Days



N443
Essentials of Geophysics

John Randolph / Rachel Newrick

Level: Awareness Duration: 1 Days




Seismic Interpretation

N071
Workshop in Geological Seismic Interpretation: Salt Tectonics

Mark Rowan, Elive Menyoli and Carl Fiduk


Level: Skilled Duration: 4 Days



N072
Workshop in Geological Seismic Interpretation: Deep Marine Systems

Lesli Wood and Dave McGee


Level: Skilled Duration: 3 Days



N288
Interpretation of Seismic Data in Structurally Complex Settings

Gloria Eisenstadt


Level: Skilled Duration: 5 Days



N380
Seismic Interpretation Workshop: Play Recognition on Passive Margins

Mark Thompson and Mike Mayall


Level: Skilled Duration: 5 Days



N485
Advanced Seismic Interpretation

Rachel Newrick


Level: Skilled Duration: 4 Days



N505
Applications of Time-Lapse Seismic Data to Reservoir Management and Carbon Storage

David H. Johnston


Level: Skilled Duration: 2 Days



N527
Interpretation of Complex Structures: Techniques for Unraveling Structural Geometry and History

Gloria Eisenstadt


Level: Skilled Duration: 4 Days



N085
The Use of Seismic Data for Subsurface Interpretation

Rachel Newrick


Level: Foundation Duration: 5 Days



N090
Seismic Structural Styles Workshop

Gloria Eisenstadt


Level: Foundation Duration: 5 Days



N578
Practical Seismic Interpretation

Rebecca Bell

Level: Foundation Duration: 3 Days




Seismic Tools

N045
Seismic Inversion and Applications to Stochastic Reservoir Modelling

Ashley Francis

Level: Skilled Duration: 4 Days



N049
Seismic Attributes for Exploration and Reservoir Characterisation

John Castagna


Level: Skilled Duration: 5 Days



N172
Depth Conversion Methods and Pitfalls

Alan Atkinson


Level: Skilled Duration: 5 Days



N217
Seismic Imaging and Velocity Model-Building Techniques: Concepts, Examples and Pitfalls

Etienne Robein

Level: Skilled Duration: 4 Days



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GEOPHYSICS AND SEISMIC INTERPRETATION

Seismic Tools

N224
Methods for Quantifying and Communicating Uncertainty in Depth Conversion and Volumetrics
 Ashley Francis
 Level: Skilled Duration: 3 Days




N286
Seismic Acquisition Principles and Practice (Houston, USA)
 Rob Stewart
 Level: Skilled Duration: 5 Days




N344
Hydraulic Fracture Monitoring using the Microseismic Technique
 Stephen Wilson
 Level: Skilled Duration: 3 Days




N385
Workflows for Seismic Reservoir Characterisation
 Pat Connolly
 Level: Skilled Duration: 5 Days




N469
The Practice and Theory of Seismic Depth Imaging: Conventional and Unconventional Plays
 David Kessler
 Level: Skilled Duration: 3 Days




N470
AVO Reflectivity, Pre-stack Inversion and Quantitative Seismic Interpretation
 Bill Goodway
 Level: Skilled Duration: 3 Days




N658
Practical Depth Conversion and Depth Imaging for the Interpreter
 Scott MacKay
 Level: Skilled Duration: 5 Days




N659
The Interpreter's Guide to Depth Imaging
 Scott MacKay
 Level: Skilled Duration: 2 Days




N004
The Essentials of Rock Physics and Seismic Amplitude Interpretation
 Rob Simm / Eleanor Oldham
 Level: Foundation Duration: 4 Days




N066
An Objective Approach to Seismic Processing
 Rob Hardy
 Level: Foundation Duration: 3 Days



N282
Introduction to Full Azimuth Imaging for Conventional Plays and Resource Plays
 Walt Lynn
 Level: Foundation Duration: 4 Days



N317
A Practical Introduction to Depth Imaging for Interpreters
 Etienne Robein
 Level: Foundation Duration: 3 Days



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Skill Level



OIL AND GAS FUNDAMENTALS

General			
<p>EP004</p> <p>Essentials of Reservoir and Production Engineering</p> <p>N/A</p> <p>Level: Foundation Duration: 14 hours</p> 	<p>N356</p> <p>Production Geoscience (Pembrokeshire, UK)</p> <p>Mark Bentley</p> <p>Level: Foundation Duration: 5 Days</p> 	<p>N831</p> <p>Fundamentals of the Oil and Gas Industry</p> <p>Nigel Banks</p> <p>Level: Awareness Duration: 3 Days</p> 	<p>N097</p> <p>An Introduction to the Upstream Oil and Gas Industry</p> <p>Nigel Banks</p> <p>Level: Awareness Duration: 2 Days</p> 
<p>N154</p> <p>Orientation to the E&P Business for the New Petrotechnical Professional</p> <p>Randy McQueen and Tim Deines</p> <p>Level: Awareness Duration: 2 Days</p> 	<p>N373</p> <p>Petroleum Geology for Non-Geologists</p> <p>Jon Noad</p> <p>Level: Awareness Duration: 2 Days</p> 	<p>N607</p> <p>Petroleum Engineering for Non-Engineers</p> <p>Saad Ibrahim</p> <p>Level: Awareness Duration: 4 Days</p> 	<p>N618</p> <p>Introduction to the Downstream Petroleum Industry</p> <p>Vijay Muralidharan</p> <p>Level: Awareness Duration: 2 Days</p> 
<p>N623</p> <p>Petroleum Engineering for Non-Engineers (2 Day)</p> <p>Saad Ibrahim</p> <p>Level: Awareness Duration: 2 Days</p> 	<p>N629</p> <p>Geophysics for Geologists and Petroleum Engineers</p> <p>Easton Wren</p> <p>Level: Awareness Duration: 3 Days</p> 		

WELL PLANNING AND DRILLING

General			
<p>N157</p> <p>An Introduction to Drilling and Wellsite Geology</p> <p>Martin Saunders</p> <p>Level: Foundation Duration: 5 Days</p> 	<p>N561</p> <p>Drilling and Completing the Well</p> <p>Evren Ozbayoglu</p> <p>Level: Foundation Duration: 2 Days</p> 	<p>N615</p> <p>Introduction to Offshore Drilling</p> <p>Richard Heenan</p> <p>Level: Awareness Duration: 2 Days</p> 	<p>N642</p> <p>Introduction to Onshore Drilling</p> <p>Richard Heenan</p> <p>Level: Awareness Duration: 2 Days</p> 

SUBJECT AREA GUIDES

- Basin Analysis
- Carbon Capture and Storage
- Carbonates
- Clastics
- Commercial and Risk
- Data Analytics
- Energy Transition
- Facilities and Surface Operations
- Geophysics and Seismic Interpretation
- Oil and Gas Fundamentals**
- Petrophysics
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- Reservoir Engineering
- Stratigraphy
- Structure and Tectonics
- Unconventional Resources
- Well Planning and Drilling**
- Professional Skills Development

Mode of Delivery



Skill Level



PETROPHYSICS

SUBJECT AREA GUIDES

General

N030 Rocks and Fluids: Understanding Petrophysics through Outcrop Studies (Isle of Wight, UK) Martin Kennedy and Mike Lovell Level: Skilled Duration: 5 Days	EC013 Foundation Petrophysics N/A Level: Foundation Duration: 6 hours	EC014 Petrophysical Tools N/A Level: Foundation Duration: 12 hours	EC015 Petrophysics Tools for Geoscience N/A Level: Foundation Duration: 14 hours
EC016 Petrophysics Tools for Reservoir Engineering N/A Level: Foundation Duration: 14 hours	EC018 Formation Evaluation N/A Level: Skilled Duration: 3 hours	EP002 Petrophysics and Formation Evaluation for Geoscientists N/A Level: Foundation Duration: 25 hours	EP003 Petrophysics and Formation Evaluation for Reservoir Engineers N/A Level: Foundation Duration: 26 hours
N083 Petrophysics and Formation Evaluation: Principles and Practice Mike Lovell / David Eickhoff Level: Foundation Duration: 3 Days	N360 Quantitative Log Analysis and Petrophysics Martin Kennedy Level: Foundation Duration: 5 Days	N525 Petrophysics Uncovered: a Helpful Guide to Understanding Petrophysics Mike Lovell Level: Awareness Duration: 1 Days	

Core Analysis

N496 Advanced Special Core Analysis Martin Kennedy Level: Skilled Duration: 4 Days	N569 Core Analysis for Reservoir Models Adam Moss Level: Skilled Duration: 5 Days	N666 Special Core Analysis Adam Moss Level: Skilled Duration: 4 Days
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Specialist

N054 Petrophysics and Low Resistivity Pay Evaluation for Conventional Reservoirs David Eickhoff Level: Skilled Duration: 3 Days	N064 Uncertainty in Petrophysics: Shaly-Sands, Carbonates, and other Problem Areas Martin Kennedy Level: Skilled Duration: 5 Days	N267 Petrophysics for Shale Gas Reservoirs Mike Lovell Level: Skilled Duration: 3 Days	N528 Petrophysics of Tight and Unconventional Oil Reservoirs Dick Merkel Level: Skilled Duration: 3 Days
N539 Cased Hole Formation Evaluation for Reservoir Monitoring Gary Frisch and Gary Simpson Level: Skilled Duration: 3 Days	N935 Core Properties Mehran Sohrabi Level: Skilled Duration: 4 Days		

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Petrophysics

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Mode of Delivery



Skill Level



PRODUCTION ENGINEERING

General

N472
Reservoir Surveillance: Field Development and Production Optimization and the Impact on Completion Design
 Dennis Dria
 Level: Skilled Duration: 3 Days



N473
Fiber-Optic Sensing: Diagnostic and Surveillance Applications and Deployment
 Dennis Dria
 Level: Skilled Duration: 2 Days



N940
Modern Completion and Production Enhancement Techniques
 Jonathan Bellarby
 Level: Skilled Duration: 5 Days




N944
Shale Gas and Shale Oil Completions Using Multi- Staged Fracturing and Horizontal Wells
 George King
 Level: Skilled Duration: 2 Days




N976
Mature Field Production Operations and Reservoir Management
 John Davies and Pete Smith
 Level: Skilled Duration: 5 Days




EC025
Well Planning and Drilling Operations
 N/A
 Level: Foundation Duration: 6 hours



EC026
Reservoir Engineering and Well Optimisation
 N/A
 Level: Foundation Duration: 3 hours




EC028
Well Production Operations
 N/A
 Level: Foundation Duration: 3 hours




EC036
Delivering Exploration & Appraisal Wells Safely
 N/A
 Level: Foundation Duration: 8 hours




EP004
Essentials of Reservoir and Production Engineering
 N/A
 Level: Foundation Duration: 14 hours



N474
Artificial Lift Technology for Multi-Well Pads in Unconventional Plays
 Rajan Chokshi
 Level: Foundation Duration: 3 Days



N475
Surface Flow Assurance for Large Scale Pad Development in Unconventional Plays
 Cem Sarica and Eduardo Pereyra
 Level: Foundation Duration: 5 Days




N481
Fiber-Optic Sensing: Introduction to the Technology and In-Well Sensing Applications
 Dennis Dria
 Level: Foundation Duration: 1 Days




N508
Optimizing Development of Unconventional Reservoirs: Well Spacing, Stacking and Sequencing of Wells
 Robert Hull and Mike Zuber
 Level: Foundation Duration: 3 Days




N915
Introduction to Production Operations
 John Davies
 Level: Foundation Duration: 3 Days



N979
Production Operations
 Ivor Ellul and Victor Taylor
 Level: Foundation Duration: 4 Days



N985
Introduction to the Science and Technology of Water Management
 John Walsh
 Level: Foundation Duration: 3 Days



N608
Fundamentals of Well Completions and Workovers
 Michael Gallup / Idi Ishaya
 Level: Awareness Duration: 3 Days



SUBJECT AREA GUIDES

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Mode of Delivery



Skill Level




RESERVOIR DEVELOPMENT


SUBJECT AREA GUIDES

General


N213
Advanced Reservoir Characterisation and 3D Petrel Modelling of Coal-bearing, Fluvio-Deltaic Sediments (Kentucky, USA)
 Huw Williams and Paul Davies
 Level: Skilled Duration: 5 Days




N215
Advanced Techniques for Modelling Fluvial and Deltaic Architecture using Petrel (Utah, USA)
 Huw Williams and Paul Davies
 Level: Skilled Duration: 6 Days



N523
Sandstone Diagenesis and Reservoir Quality
 Richard Worden
 Level: Skilled Duration: 3 Days




N285
Clastic Diagenesis and Reservoir Quality Modeling
 Rick Tobin
 Level: Foundation Duration: 3 Days



Reservoir Characterisation


N342
Compartmentalization and Connectivity in Sandstone Reservoirs
 John Snedden
 Level: Skilled Duration: 5 Days




N432
Clastic Reservoir Characterisation for Appraisal and Development (Southern Pyrenees, Spain)
 Philip Hirst and Gary Nichols
 Level: Skilled Duration: 5 Days




N058
Reservoir Characterization and Geostatistical Modeling: A Data Analytical Approach to Practical Geospatial Reservoir Mapping
 Jeffrey Yarus
 Level: Skilled Duration: 4 Days




N108
Exploration and Geological Model Development in Fluvial Reservoirs (Ebro Basin, Spain)
 Gary Nichols and Philip Hirst
 Level: Skilled Duration: 5 Days




N216
Geostatistics and Advanced Property Modelling in Petrel
 Ashley Francis
 Level: Skilled Duration: 4 Days




N445
The Subsurface Applications of Geomechanics
 Tim Wynn
 Level: Skilled Duration: 3 Days



N506
Reservoir Characterization and Geostatistical Modeling in Field Development
 Jeffrey Yarus
 Level: Skilled Duration: 5 Days



N576
Reservoir Modelling and the Application of Outcrop Analogues (Utah, USA)
 John Howell
 Level: Skilled Duration: 5 Days




N305
Core Facies Analysis for Resource Plays
 Gus Gustason
 Level: Foundation Duration: 5 Days



N008
An Introduction to Reservoir Appraisal and Development
 Howard Johnson
 Level: Foundation Duration: 5 Days



N013
Overpressure in Petroleum Systems and Geopressure Prediction
 Ed Hoskins / Jakob Heller / Rashad Gulmammadov
 Level: Foundation Duration: 4 Days



Reservoir Development


N401
Multi-Disciplinary Skills for Field Development Planning and Approval
 Pete Smith
 Level: Skilled Duration: 4 Days



N412
A Critical Guide to Reservoir Appraisal and Development
 Philip Hirst and Pete Smith
 Level: Skilled Duration: 5 Days



N444
Development Planning For Mature Fields
 Jerry Hadwin
 Level: Skilled Duration: 3 Days



N447
Workflows for Developing In-Field Opportunities
 Craig Smalley and Pete Smith
 Level: Skilled Duration: 3 Days



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Mode of Delivery





Skill Level






RESERVOIR DEVELOPMENT


SUBJECT AREA GUIDES

Reservoir Modelling


N033
Characterisation, Modelling, Simulation and Development Planning in Deepwater Clastic Reservoirs (Tabernas, Spain)
 Mark Bentley and Ed Stephens
 Level: Skilled Duration: 5 Days




N386
Reservoir Model Design (Pembrokeshire, UK)
 Mark Bentley and Philip Ringrose
 Level: Skilled Duration: 5 Days




N427
Reservoir Model Design
 Mark Bentley
 Level: Skilled Duration: 4 Days




N923
Modelling of Reservoir Structure and Fractures (Somerset, UK)
 Tim Wynn
 Level: Skilled Duration: 5 Days



N335
Modelling Clastic Reservoirs (Pyrenees, Spain)
 John Howell and Ed Stephens
 Level: Foundation Duration: 6 Days



N556
Building the Structural Framework for a Reservoir Model
 Douglas Paton
 Level: Foundation Duration: 3 Days



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Mode of Delivery





Classroom Field e-Learning

Skill Level






Awareness Foundation Skilled

RESERVOIR ENGINEERING


SUBJECT AREA GUIDES

General


N936
Reservoir Engineering Principles and Practice
 Alun Griffiths
 Level: Skilled Duration: 5 Days




N980
Petroleum Reservoir Fluids
 Mark McClure
 Level: Skilled Duration: 3 Days




N986
Reservoir and Production Engineering of Resource Plays
 Erdal Ozkan
 Level: Skilled Duration: 2 Days




N997
Applied Reservoir Engineering
 Jerry Hadwin
 Level: Skilled Duration: 5 Days




EP004
Essentials of Reservoir and Production Engineering
 N/A
 Level: Foundation Duration: 14 hours




N614
Fundamentals of Reservoir Engineering
 Saad Ibrahim
 Level: Foundation Duration: 5 Days




N933
Reservoir Engineering Fundamentals
 Alun Griffiths
 Level: Foundation Duration: 5 Days



N006
An Introduction to Reservoir Engineering for Geoscientists
 Mark Cook / Richard Oxlade / John Gallivan
 Level: Foundation Duration: 4 Days




N422
Reservoir Engineering for Non-Reservoir Engineers
 Jerry Hadwin
 Level: Foundation Duration: 4 Days




Reservoir Management

N448
Practical Reservoir Performance Analysis
 Alun Griffiths
 Level: Skilled Duration: 5 Days




N484
Reservoir Management for Unconventional Oil and Gas Resources
 Yucel Akkutlu
 Level: Skilled Duration: 4 Days



N954
Practical Approaches to Increased Recovery
 Andy Woods and Pete Smith
 Level: Skilled Duration: 3 Days




N957
Forecasting Production and Estimating Reserves in Unconventional Reservoirs
 John Lee
 Level: Skilled Duration: 4 Days



Reservoir Modelling

N441
Data-Driven Reservoir Modeling: Top-Down Modeling
 Shahab Mohaghegh
 Level: Skilled Duration: 2 Days



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Mode of Delivery



Skill Level



RESERVOIR ENGINEERING

SUBJECT AREA GUIDES

Reservoir Engineering Techniques

N991
Well Testing for Improved Reservoir Description
 Jamiolahmady Mahmoud
 Level: Foundation Duration: 3 Days

N573
Enhanced Oil Recovery: Techniques, Practices and Simulation
 Yucel Akkutlu
 Level: Skilled Duration: 4 Days

N908
Well Testing and Pressure Transient Analysis
 John Lee
 Level: Skilled Duration: 4 Days

N934
PVT: Concepts, Methods, and Applications
 Bahman Tohidi
 Level: Skilled Duration: 3 Days

N935
Core Properties
 Mehran Sohrabi
 Level: Skilled Duration: 4 Days

N942
Gas Condensate Reservoir Engineering including HPHT
 Jami Ahmady
 Level: Skilled Duration: 5 Days

N943
Well Test Interpretation in Practice
 Alain Gringarten
 Level: Skilled Duration: 4 Days

N950
Applied Reservoir Simulation
 Jim Gilman
 Level: Skilled Duration: 5 Days

N956
Enhanced Oil Recovery using CO2: Techniques, Practices and Simulation
 Yucel Akkutlu
 Level: Skilled Duration: 3 Days

N959
Hydraulic Fracturing for Conventional, Tight and Shale Reservoirs
 Mike Smith / Carl Montgomery
 Level: Skilled Duration: 4 Days

N961
Strategic Reservoir Simulation
 Karl Stephen
 Level: Skilled Duration: 5 Days

N969
Optimizing Waterfloods
 Rob Lavoie / Brian Weatherill
 Level: Skilled Duration: 3 Days

N971
Advanced Reservoir Simulation for Conventional and Unconventional Reservoirs
 Jim Gilman
 Level: Skilled Duration: 5 Days




N989
Unconventional Reservoir Rate-Transient Analysis
 Chris Clarkson
 Level: Skilled Duration: 3 Days

N606
Waterflood Design, Management, and Optimization
 Brian Weatherill
 Level: Foundation Duration: 3 Days

N967
Introduction to Reservoir Engineering
 Rob Lavoie / Brian Weatherill
 Level: Foundation Duration: 5 Days

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Mode of Delivery

 Classroom
  Field
  e-Learning


Skill Level

Awareness
Foundation
Skilled


STRATIGRAPHY

Sequence Stratigraphy


N011
High Resolution Sequence Stratigraphy: Reservoir Applications (Utah, USA)
 Andy Pulham and Lee Krystinik / Beverley Blakeney Dejarnett
 Level: Skilled Duration: 5 Days




N137
Seismic Facies Mapping in a Sequence Stratigraphic Framework
 Rob Kirk
 Level: Skilled Duration: 5 Days




N269
Sequence Stratigraphy and Subsurface Prediction: Methods, Limitations and New Developments
 Peter Burgess
 Level: Skilled Duration: 3 Days




N349
Practical Methods for Sequence Stratigraphic Prediction
 John Snedden
 Level: Skilled Duration: 5 Days




N357
Seismic and Well Facies Mapping in a Sequence Stratigraphic Framework
 Rob Kirk
 Level: Skilled Duration: 5 Days




N410
Sequence Stratigraphy Applied to Exploration and Production
 Vitor Abreu
 Level: Skilled Duration: 5 Days




N517
Well Log Sequence Stratigraphy for Exploration and Production
 Vitor Abreu
 Level: Skilled Duration: 2 Days



N518
Seismic Sequence Stratigraphy for Exploration and Production
 Vitor Abreu
 Level: Skilled Duration: 2 Days



N402
Seismic and Sequence Stratigraphy for Subsurface Exploration and Development
 Peter Burgess
 Level: Foundation Duration: 4 Days



SUBJECT AREA GUIDES

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Mode of Delivery



Skill Level




STRUCTURE AND TECTONICS


SUBJECT AREA GUIDES

General

N142
Structure and Fault Systems in Hydrocarbon Exploration and Production (Southern Pyrenees, Spain)
 Josep Anton Muñoz and Eduard Roca
 Level: Skilled Duration: 6 Days



N169
Structural Geology for Reservoir Characterization: Seismic-scale Outcrop Analogues and Applied Methods (SW Montana, USA)
 Lans Taylor and Jim Grant
 Level: Skilled Duration: 6 Days




N218
Structural Controls on Deepwater Systems: Growth Structures and Minibasin Fill (Austrian Alps)
 Douglas Paton
 Level: Skilled Duration: 7 Days




N333
Factors Affecting Rift-Basin and Passive-Margin Evolution: Examples from the Fundy and Orpheus Basins (Nova Scotia, Canada)
 Martha Oliver Withjack and Roy W. Schlische
 Level: Skilled Duration: 5 Days



N428
Advanced Structural Methods: From Exploration to Reservoir Scale
 Lans Taylor
 Level: Skilled Duration: 5 Days




N477
A Systematic Approach to Defining and Evaluating Stratigraphic and Subtle Combination Traps
 Mark Thompson and Mike Mayall
 Level: Skilled Duration: 4 Days




N016
Structural Geology for Petroleum Exploration (Nevada, USA)
 Ken McClay and Lans Taylor
 Level: Foundation Duration: 7 Days




N116
Structural Geology for Petroleum Exploration (SW England, UK)
 Ken McClay
 Level: Foundation Duration: 5 Days




N180
Fault Mapping: Class and Field Seminar (Texas, USA)
 David Ferrill / Alan Morris
 Level: Foundation Duration: 5 Days




N220
Structural Geology and Seismic Interpretation for Petroleum Exploration and Production
 Ken McClay
 Level: Foundation Duration: 5 Days




N388
Structural Geology for Oil and Gas Industry Geoscientists
 Richard Jones
 Level: Foundation Duration: 5 Days



N563
A Structural Geology Toolbox for Geoscientists and Engineers (Virtual Outcrops)
 Douglas Paton
 Level: Foundation Duration: 3 Days




N657
Seismic Structural Interpretation Techniques
 Douglas Paton
 Level: Foundation Duration: 5 Days



Compressional Regimes

N053
Compressional Structural Styles: Models for Exploration and Production (Alberta, Canada)
 Malcolm Lamb
 Level: Skilled Duration: 5 Days




N325
Advanced Structural Interpretation for Petroleum Exploration and Development in Fold and Thrust belts (Pyrenees, Spain)
 Josep Anton Munoz and Ken McClay
 Level: Skilled Duration: 6 Days



Extensional Regimes


N114
Extensional Tectonics and Normal Faulting (Nevada and California, USA)
 David Ferrill
 Level: Skilled Duration: 6 Days



N407
Predicting Reservoir and Petroleum Systems in Rifts and Extensional Basins (New Mexico & Colorado, USA)
 Lee F. Krystinik
 Level: Skilled Duration: 6 Days



N575
From Sub-Seismic Faults to Rift Basins: Exploration, Appraisal, and Production Insights (Gulf of Corinth, Greece)
 Douglas Paton
 Level: Skilled Duration: 5 Days



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Mode of Delivery



Skill Level



STRUCTURE AND TECTONICS

Fault Seal Analysis

N446

Fault Seal Analysis: Concepts, Methods and Applications

Dan Hemingway

Level: Skilled Duration: 3 Days



N414

Practical Prospect, Trap and Fault Seal Analysis

Titus Murray

Level: Foundation Duration: 4 Days



N134

Carbonate and Shale Faulting and Fracturing Field Seminar (Texas, USA)

David Ferrill and Adam Cawood

Level: Skilled Duration: 5 Days



N266

Mechanical Stratigraphy, Stress, and Geomechanics (West Texas, USA)

Kevin Smart and Adam Cawood

Level: Skilled Duration: 5 Days



N371

Natural Fractures and Production in Different Reservoir Lithologies, Examples and Analogs from the San Juan Basin (New Mexico and Colorado, USA)

John Lorenz, Scott Cooper and Bruce Hart

Level: Skilled Duration: 6 Days



N379

Application of Geomechanics to Reservoir Characterization, Management and Hydraulic Stimulation (Wyoming, USA)

Peter Hennings and Jon Olson

Level: Skilled Duration: 5 Days



N381

Influence of Tectonics and Mechanical Stratigraphy on Natural Deformation in the Permian Basin (Texas, USA)

David Ferrill, Alan Morris, Ronald McGinnis, Kevin Smart

Level: Skilled Duration: 5 Days



N411

Mechanical Stratigraphy, Stress and Geomechanics

Kevin Smart and Adam Cawood

Level: Skilled Duration: 3 Days



N435

The Analysis of Fractured Reservoirs (Wyoming, USA)

Paul MacKay and Hutch Jobe

Level: Skilled Duration: 5 Days



N464

Fractured Reservoir Assessment and Integration to Full Field Development (Montana, USA)

Dave Cannon and Creties Jenkins

Level: Skilled Duration: 6 Days



N354

Geomechanics: Exploration to Field Rejuvenation

David Castillo

Level: Foundation Duration: 4 Days



Salt Tectonics

N149

Practical Salt Tectonics

Mark Rowan

Level: Skilled Duration: 4 Days



N163

Salt Evolution and Coeval Sedimentation in the Paradox Basin (Utah, USA)

Bruce Trudgill

Level: Skilled Duration: 5 Days



N232

Salt Tectonics: Global Styles, Spanish Outcrops (Basque-Cantabrian Pyrenees, Spain)

Mark Rowan and Josep Anton Muñoz/ Eduard Roca

Level: Skilled Duration: 5 Days



N493

Salt Tectonics of the Gulf of Mexico

Mark Rowan

Level: Skilled Duration: 3 Days



N662

Salt Tectonics and Halokinetic Sequences Concepts in the Onshore Lusitanian Basin (Portugal)

Pedro Barreto

Level: Skilled Duration: 4 Days



SUBJECT AREA GUIDES

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Mode of Delivery



Skill Level



UNCONVENTIONAL RESOURCES

SUBJECT AREA GUIDES

General

N245
Sedimentology and Stratigraphy of Lacustrine Systems: Reservoir and Source Rocks, Great Salt Lake and Green River Formation (Utah and Colorado, USA)
 Rick Sarg and Paul Wright
 Level: Skilled Duration: 6 Days

N284
Seismic Attributes and Pre-Stack Inversion Tools for Characterizing Unconventional Reservoirs
 Satinder Chopra
 Level: Skilled Duration: 4 Days

N406
Unconventional Resource Assessment and Valuation
 Gary Citron / Jim Gouveia / Creties Jenkins and/or Mark McLane
 Level: Skilled Duration: 4 Days

N184
Unconventional Resources: The Main Oil Systems (Colorado, USA)
 Steve Sonnenberg
 Level: Foundation Duration: 5 Days

N274
Unconventional Resource Engineering for Geoscientists
 Yucel Akkutlu
 Level: Foundation Duration: 3 Days

N463
Geological Drivers for Tight-Oil and Unconventional Plays in the Powder River Basin and Applications to Other Basins (Wyoming, USA)
 Randi Martinsen and Lee Krystinik
 Level: Foundation Duration: 5 Days

N471
The Petroleum System in Unconventional Exploration & Production: Geology, Geochemistry and Basin Modeling
 Andy Pepper
 Level: Foundation Duration: 4 Days

N647
Shale & Tight Oil for Technical Professionals
 Steve Hennings
 Level: Foundation Duration: 3 Days

Shale Plays

N271
The Bakken Petroleum System as a Resource Play (Montana, USA)
 Steve Sonnenberg, Mike Hendricks and Jennifer Miskimins
 Level: Skilled Duration: 6 Days

N291
Geological Reservoir Characteristics of Siliciclastic Unconventional Light Oil Plays, Western Canada Sedimentary Basin (Alberta, Canada)
 Per Kent Pedersen and Guest
 Level: Skilled Duration: 5 Days

N364
Fracture Architecture, Sedimentology and Diagenesis of Organic-rich Mudstones of Ancient Upwelling Zones with Application to Naturally Fractured Reservoirs (California, USA)
 Richard Behl and Jon Schwalbach / Michael Gross
 Level: Skilled Duration: 5 Days

N366
Shale Reservoir Workshop: Analyzing Organic-Rich Mudrocks from Basin to Nano- Scale
 Ursula Hammes
 Level: Skilled Duration: 5 Days

N382
Recognition of Mudstone Depositional Processes and Depositional Settings: Implications for Reservoir Heterogeneity and Play Extent
 Per Kent Pedersen and Juergen Schieber
 Level: Skilled Duration: 4 Days

N438
Geoscience and Engineering Evaluation of Unconventional Source Rock Reservoirs: The Eagle Ford at Lozier Canyon (Texas, USA)
 Art Donovan and Noel McInnis
 Level: Skilled Duration: 5 Days

N259
From Outcrop to Subsurface: Understanding and Evaluating Shale Resource Plays (Alberta, Canada)
 Per Kent Pederson
 Level: Foundation Duration: 6 Days

N313
Evaluating Shale and Tight Oil and Gas Reservoirs
 Creties Jenkins
 Level: Foundation Duration: 4 Days

Tools and Techniques

N206
Seismic Tools for Unconventional Reservoirs
 Heloise Lynn
 Level: Skilled Duration: 4 Days

N437
Geomechanics for Unconventional and Tight Reservoirs
 Neal Nagel and Marisela Sanchez-Nagel
 Level: Skilled Duration: 4 Days

N440
Shale Analytics: Asset Management with Data-Driven Analytics and Modeling
 Shahab Mohaghegh
 Level: Skilled Duration: 2 Days

N480
Introduction to Statistical Modeling and Big Data Analytics
 Srikanta Mishra
 Level: Foundation Duration: 1 Days

N646
Hydraulic Fracturing Shale and Tight Rock: Technical Design and Analysis
 Steve Hennings
 Level: Foundation Duration: 2 Days

- Basin Analysis
- Carbon Capture and Storage
- Carbonates
- Clastics
- Commercial and Risk
- Data Analytics
- Energy Transition
- Facilities and Surface Operations
- Geophysics and Seismic Interpretation
- Oil and Gas Fundamentals
- Petrophysics
- Production Engineering
- Reservoir Development
- Reservoir Engineering
- Stratigraphy
- Structure and Tectonics
- Unconventional Resources
- Well Planning and Drilling
- Professional Skills Development

Mode of Delivery



Skill Level




PROFESSIONAL SKILLS DEVELOPMENT


SUBJECT AREA GUIDES

Project Management


N617
Fundamentals of Project Management
 Morley Selver
 Duration: 3 Days




N833
Managing Technical Projects: People, Principles and Practices
 Rob Maguire / Janet Izatt
 Duration: 2 Days




N836
Introductory Certificate in Project Management for Subsurface Teams
 Graham Chapman
 Duration: 2 Days




N837
Certificate in Project Management for Technical E&P Staff
 Graham Chapman
 Duration: 4 Days



N841
Effective Project Management for the Oil and Gas Industry
 David Silar
 Duration: 3 Days




N855
Managing Capital Projects in the Energy Industry
 Laurent Spring
 Duration: 5 Days




Leadership and Management


N616
Leadership Skills for Managers: Managing by Influence
 Paul Endress
 Duration: 2 Days




N813
Inspiring Leadership Skills
 Sarah Farmer / Andy Beech
 Duration: 2 Days




N827
Leading and Developing High Performing Teams in the Oil and Gas Industry
 Louise Hemming
 Duration: 3 Days




N832
Managing Multidisciplinary Subsurface Teams
 Steve Thompson
 Duration: 3 Days



N835
Senior Leader Development Programme
 Andy Beech
 Duration: 5 Days




N844
Managing Remote Technical Teams
 Louise Hemming
 Duration: 3 Days



Coaching, Mentoring and Creativity


N826
Effective Mentoring Skills
 Andy Beech
 Duration: 1 Days




N815
Empowering Coaching Skills
 Andy Beech
 Duration: 2 Days




N845
Creative Problem Solving for Technical Professionals
 Helen Hill
 Duration: 2 Days




N852
Boost Productivity and Motivation in a Remote Workplace
 Andy Beech
 Duration: 1 Days



N853
Making Impactful Presentations Remotely
 Andy Beech
 Duration: 1 Days



N854
Effective Coaching Skills for Leaders in a Remote Workplace
 Andy Beech
 Duration: 1 Days



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Professional Skills Development

Mode of Delivery



RPS | TRAINING

Our goal is to collaborate with our customers to develop the competencies and capability of their workforce through integrated learning that supports their roles and promotes individual development driving organizational excellence.

Our expertise brings flexible and scalable solutions from a diverse energy portfolio in the design, development of technical content and knowledge-based programmes delivered by expert instructors. Our technical and learning expertise help organisations develop the competencies, skills and knowledge they need to fulfill their collective potential.

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