

## Applied Deep-Water Sedimentology and Stratigraphy

*London (UK)*

*24 - 28 March 2025*

UK Training

# PARTNER



# Applied Deep-Water Sedimentology and Stratigraphy

Code: OG28 From: 24 - 28 March 2025 City: London (UK) Fees: 5100 Pound

## Introduction

This course provides an in-depth exploration of the latest advancements in deep-water sedimentology and stratigraphy, with a focus on practical applications for the energy, mining, and environmental sectors. Participants will gain a comprehensive understanding of the processes, products, and implications of deep-water depositional systems, equipping them with the knowledge and tools to effectively explore, develop, and manage resources in these complex geological settings.

## Objectives

- Demonstrate a thorough understanding of the key principles and concepts underpinning deep-water sedimentology and stratigraphy.
- Analyze and interpret the sedimentary facies, architectural elements, and depositional environments associated with deep-water depositional systems.
- Integrate deep-water sedimentological and stratigraphic data with other geological, geophysical, and engineering information to develop robust exploration and development models.
- Apply advanced techniques and technologies, such as seismic interpretation, core analysis, and numerical modeling, to characterize deep-water reservoirs and depositional systems.
- Recognize and mitigate the unique challenges and risks associated with deep-water exploration and development projects.
- Effectively communicate deep-water sedimentological and stratigraphic concepts to multidisciplinary teams and stakeholders.

## Course Outline

### Day 1: Introduction to Deep-Water Sedimentology and Stratigraphy

- Overview of deep-water depositional environments and processes.
- Tectonic and paleoceanographic controls on deep-water sedimentation.
- Principles of deep-water facies analysis and architectural element recognition.

### Day 2: Deep-Water Clastic Depositional Systems

- Turbidity currents and associated deposits e.g., turbidites, debris flows, hybrid beds.
- Submarine fans and their stratigraphic evolution.
- Channel-levee complexes, crevasse splays, and overbank deposits.

### Day 3: Deep-Water Carbonate Depositional Systems

- Carbonate factory and platform-to-basin transitions.



- Slope and basin-floor carbonate depositional processes and facies.
- Contourite drifts, bottom currents, and associated deposits.

#### Day 4: Integrating Deep-Water Data and Interpretations

- Seismic facies analysis and seismic geomorphology.
- Core analysis, well logs, and integrated reservoir characterization.
- Numerical modeling of deep-water depositional systems.

#### Day 5: Applications and Case Studies

- Exploration and development of deep-water hydrocarbon reservoirs.
- Deep-sea mining and seafloor massive sulfide deposits.
- Deep-water environmental monitoring and habitat assessment.



# Blackbird Training Cities

## Europe



Copenhagen (Denmark)



Sarajevo (Bosnia and Herzegovina)



Málaga (Spain)



Cascais (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)  
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)

## USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Phoenix (USA)



Texas (USA)



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Seattle (USA)



Toronto (Canada)



## Blackbird Training Cities

### Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia)



Bangkok (Thailand)



Beijing (China)



Singapore (Singapore)  
(Kuwait)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City



Jakarta (Indonesia)



Amman (Jordan)

### Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



## Blackbird Training Clients



UK Training  
**PARTNER**



## Blackbird Training Categories

### Management & Admin

Professional Skills  
Finance, Accounting, Budgeting  
Media & Public Relations  
Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
Customs & Safety  
Aviation  
C-Suite Training



 International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom

 +44 7401 1773 35  
+44 7480 775526

 [Sales@blackbird-training.com](mailto:Sales@blackbird-training.com)

 [www.blackbird-training.com](http://www.blackbird-training.com)

