

E-260

## COURSE OBJECTIVES

At the end of the course, the participants are able to:

- know the generating processes and the characteristics of hydrocarbon reserves,
- analyze and validate the data required for reservoir characterization,
- quantify the hydrocarbons in place in the reservoirs,
- understand the processes and the calculation of hydrocarbon reservoir.

## COURSE CONTENT

### PETROLEUM SYSTEM & RESERVOIR 1 day

### GEOPHYSICS AND RESERVOIR GEOPHYSICS 2 days

Seismic acquisition, processing and interpretation  
Reservoir geophysics

### PETROPHYSICS 2 days

Core data, Porosity, Saturation, Wettability, Capillary pressure  
Laboratory measurements

### WELL LOGGING AND INTERPRESTATION 5 days

Basic interpretation concepts  
Well-site setup and log record operation  
Principle and limitation of logging tools  
Qualitative log interpretation (Lithology, Vsh, Porosity, Saturation)  
Pressure measurements applications

### RESERVOIR CHARACTERIZATION 2 days

Reservoir architecture  
Static and dynamic approach  
Heterogeneities

### FIELD TRIP ON CLASTIC AND CARBONATE RESERVOIRS 3 days

Reservoir field observation on outcrops (Clastic formations: from alluvial fan to deep sea fan)  
Data integration, Reservoir modeling exercise

### CALCUL O.H.I.P (PROJECT) 2 days

OHIP estimation. Uncertainties

### GEOLOGICAL MODELING AND RESERVOIR SYNTHESIS 3 days

Geostatistics: deterministic and stochastic models

### ▲ Who should attend?

Engineers and experienced technicians, wishing to acquire comprehensive knowledge in geological techniques applicable to reservoir engineering and production.

### ▲ Duration

20 days

### ▲ Dates & Locations

Sept. 21 - October 16,  
2009

Rueil-Malmaison (Paris)  
& Field Trip

French session: F-260

### ▲ Registration

Fees: € 9,080

Contact:

gre.rueil@ifptraining.com  
Fax: (+33) 1 47 52 74 27

### ▲ Course Coordinator

Raphael LALOU

Ref. RES / RESGEOL

Course fees include accommodation & transport during the field trip but do not include travel between Paris and the field trip location.