



Training Course :

## Advanced Seismic Data Acquisition and Processing

Training Course For One Week In

Turkey, Istanbul, CVK Taksim Hotel



Which Be Held As Under Details :

## Abar Solutions Petroleum Consultancy Invite Your Employee To Participate With Us In Special Training Course As Under Details:

Course Name		Advanced Seismic Data Acquisition and Processing				
Code	Period	Language	Start	End	Location	Fees
GT 014	5 Days	Bilingual A / E	23/07/2018	27/07/2018	Turkey, Istanbul, CVK Taksim Hotel	1195 KD
			13/08/2018	17/08/2018		
			03/09/2018	07/09/2018		
			15/10/2018	19/10/2018		
			26/11/2018	30/11/2018		
** The Fees Includes : Lecturer, Training Material, Training Room With One Coffee Break Daily, Certificate Of Attendance In Last Day Training Course**						

### Course Description

⇒ The module will introduce and develop the concepts required to understand how seismic data are acquired and processed prior to interpretation and enable the trainee to understand how the data output can be affected by the methods and techniques used

### Course Objectives

⇒ The overall objective is to introduce E & P professionals to basic concepts and principles of seismic data acquisition and processing that affect interpretation , Learning objectives are at basic awareness and knowledge levels , Emphasis is on practical understanding of seismic acquisition , processing , imaging , and data requirements for extraction of geological and petro physical information , Data examples and workshops are used to illustrate key concepts , practical issues , and pitfalls as they affect the interpretation and integration of seismic data and information into E & P workflows

### Course Content & Outlines

⇒ Reflections and Resolution

– Seismic Trace Information

- Vertical Resolution

- Lateral Resolution
  - ⇒ Signal Analysis and Geometry
    - Wavelet Properties
    - F-K Analysis
  - ⇒ Acquisition Principles
    - Application Methods
    - Noise Suppression
  - ⇒ 3D Survey Design
    - Setting Objectives
  - ⇒ Acquisition Implementation
    - Positioning
    - Quality Control
  - ⇒ Processing Flows
    - Objectives
  - ⇒ Pre - stack Analysis and Processing
    - Scaling
    - Deconvolution
  - ⇒ Velocity Analysis
    - Velocity Types
    - Velocity Analysis Methods
  - ⇒ Statics / Near Surface
    - Effects
  - ⇒ Migration / Imaging
    - Strategies and Techniques
    - 3DPSDM
  - ⇒ AVO / Inversion / Attributes
  - ⇒ Acquisition and Processing Needs
  - ⇒ Extended Workshop
- Amplitudes
  - Sampling and Aliasing
  - The Migration Problem
  - Seismic Signal and Nois
  - Key Parameter Definition
  - Marine and Land Sources
  - Achieving Optimum Results
  - Velocity Filtering
  - Multiple Suppression
  - NMO
  - Refraction / Tomography
  - Time vs. Depth