

## 2013년도 제4차 해외전문교육 개요

1. 교육명 : 『Petrel Geophysics & Mapping combined course』
2. 교육수준 : Intermediate
3. 교육기관 : Schlumberger社 (미국)
4. 교육일시 : 2013. 7. 15(월) ~ 7. 19(금), 9:00 - 18:00
5. 교육장소 : 해외자원개발진흥재단 석유가스교육연구센터(역삼동)



### 6. 교육설명

This course enables geophysicists and geologists to effectively use Petrel to interpret 3D/2D seismic data. You will learn about the benefits of interpreting in 2D and 3D interactively and see how real time rendering of seismic data can be used for superior quality control of fault planes, surfaces and 3D models. The Petrel Geophysics course provides instruction on topics such as synthetic seismograms, horizon and fault interpretation, automatic fault extraction (ant-tracking), surface generation from

interpreted data, attribute volumes and attribute maps, depth conversion, volume rendering, geobody interpretation and genetic inversion. It also provides instruction on the various visualization and cropping techniques available to optimize your workflow.

And mapping course will focus on standard 2D workflows related to geological mapping.

## 7. 세부내용

Topics Covered(Geophysics):

- Import of 2D and 3D seismic data
- Cropping and realization of seismic volume
- Survey and Mistie managers
- Generate synthetic seismograms
- Interactive interpretation of seismic in 2D and 3D windows
- Horizon tracking (seeded and guided autotracking in 3D and 2D)
- Make surfaces from the seismic interpretation
- Attribute volumes and attribute maps
- Ant-tracking - automated fault extraction
- Structural Framework - modeling while interpreting
- Volume rendering
- Petrel Geobody Interpretation
- Genetic Inversion
- Domain conversion

Topics Covered(Mapping):

- Display and Color Management
- Creating and Editing Surfaces

- Gridding Algorithms
- Isochore Modeling
- Surface Operations
- Extracting information from an existing 3D model
- Plot Setup and Print Options

## 8. 강 사 : Mr. Minki Kim

- 국적: 한국
- 직위: Geoscientist & Technical Sales
  - G&G Domain Technical Support Engineer
  - G&G Domain Technical Workflow Consultant
  - Petrel Training Instructor
- 언어능력: 한국어, 영어