

E-385

## ▲ Who should attend?

Reservoir engineers (with already five years experience in reservoir engineering).  
Basic PVT knowledge (basic characteristics, measurement techniques, chromatography, classical correlation) is a prerequisite.

## ▲ Duration

5 days

## ▲ Sessions in English

**November 22-26, 2010**  
Rueil-Malmaison (Paris)

## ▲ Registration

Fees: € 2,280

Contact :

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## ▲ Course Coordinator

**G rard GLOTIN**

Ref. GIS / PVTMOD

## PVT MODELING

## COURSE OBJECTIVES

Upon completion of the course, participants will be able to select a thermodynamic model fitted on experimental PVT data and generate a consistent fluid composition for reservoir and process simulation. The "BEST"™ PVT modeling software will be intensively used in practical exercises.

## COURSE CONTENT

**THEORETICAL COURSE****2 days**

Fluid properties

- PVT properties of pure components and mixtures
- Functions and variables
- Properties of reservoir fluids
- Introduction to the PVT modeling software
- Applied exercises

Thermodynamic models and equilibrium

- Functions and variables
- EOS and algorithms
- Component properties and lumping
- Liquid/Vapor thermodynamic equilibrium
- Applied exercises

**RESERVOIR FIELD CASES****3 days**

- Segregation modeling
- MDT pressure evaluation
- Review of sampling conditions and PVT data
- PVT modeling
- Gradient modeling
- Fluid sampling
- Advanced PVT modeling

Mini project, Discussion and Conclusions