



Training Seminars & Conferences




19 FEB 2020

An Intensive 5-Day Training Seminar On

Reservoir Simulation Fundamentals for Non-Specialists

22 - 26 Nov 2020, Dubai



 View Details

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An ISO 9001:2015
and ISO 29990:2010
Certified Company

Reservoir Simulation Fundamentals for Non-Specialists

INTRODUCTION

Reservoir simulation is the main tool used for making any investment decisions in any field development plan. It is an area in which computer applications and models are used to define the reservoir performance and expected production. Simply, reservoir simulation is used to identify any opportunity to increase oil or gas production.

This highly interactive EuroMaTech training course is outlined to help and support the non-reservoir engineers with the basic features of reservoir simulation engineering. The seminar illustrates gradually from the basic concepts of reservoir simulation and up to the special topics used for the simulation practices. Participants will have valuable knowledge on the role of reservoir simulation engineer and the way to conduct a simulation study. Furthermore, the training course covers the importance of reservoir simulation in a company and overall oil industry and highlights the benefits of conducting a simulation study.

Participants on the Reservoir Simulation Fundamentals for Non-Specialists training course will develop their knowledge on the following key points:

- Definitions of reservoir and reservoir simulation engineering
- Role of reservoir simulation engineer
- Importance of reservoir simulation
- Basic concepts of reservoir simulation
- Key factors to run a reservoir simulation study
- Some special topics in reservoir simulation (e.g. *Enhanced Oil Recovery*)
- Different actual field case studies

PROGRAMME OBJECTIVES

Attendance to EuroMaTech's Reservoir Simulation Fundamentals for Non-Specialists training course will enable participants to be:

- Aware of the role of reservoir simulation Engineer
- Understand the importance of reservoir simulation
- Gain more knowledge on fundamentals of reservoir simulation
- Get an overview on the way to conduct a simulation study
- Get sufficient knowledge through different reservoir simulation case studies

WHO SHOULD ATTEND?

The Reservoir Simulation Fundamentals for Non-Specialists training seminar is suitable for:

- Non-Technical staff involved in oil industry
- Supporting Technical staff working with reservoir engineers
- Team Leaders involved in oil industry
- Junior Reservoir Engineers
- Petroleum Engineers
- Field / Production Engineers
- Facilities / Process Engineers
- Junior development / exploitation Engineers
- Geoscientists / Petrophysicists
- Technologists
- Those who want to have more knowledge on reservoir simulation engineering

TRAINING METHODOLOGY

The Reservoir Simulation Fundamentals for Non-Specialists training seminar will combine technical presentations, extensive discussion and different actual field case studies supported by video materials to ensure that all participants will be ready to use their new knowledge.

PROGRAMME SUMMARY

This EuroMaTech training course on Reservoir Simulation Fundamentals for Non-Specialists adopts an easy approach to enhance the knowledge of all participants and bring them quickly to the concepts, methodology and importance of reservoir simulation engineering in the overall oil industry.

PROGRAM OUTLINE

DAY 01

Overview of Reservoir Engineering

- What is the Reservoir Engineering?
- Role and importance of Reservoir Engineer
- Reservoir Drive Mechanisms
- Reservoir Main Rock and Fluid Properties
- Initial Oil in Place and Reserve Calculations
- Reservoir Performance
- Overall Producing Well Performance
- Reservoir Life Cycle
- Recovery Methods

DAY 02

Reservoir Simulation

- What is the Reservoir Simulation?
- Importance of Reservoir Simulation
- Reservoir Simulation Concepts
- Reservoir Simulation Model
- Modelling overview
- Input / output data

DAY 03

How to Conduct the Simulation Study?

- What is the simulation Model Run?
- Methodology to run the simulation model
- Reservoir Initial Conditions
- History Match Concept
- Parameters required for History Match
- Reservoir Simulation Prediction

DAY 04

Enhanced Oil Recovery (EOR)

- EOR Definition and Concept
- EOR Different Types
- Compositional Simulation Model
- Fluid Characterization Modelling
- Preparing EOR Simulation Model
- Simulation Output

DAY 05

Field Case Studies

- Case Study – Field Development Plan
- Case Study – Reservoir Simulation for Oil reservoir
- Case Study – Reservoir Simulation for Gas reservoir
- Case Study – Enhanced oil recovery simulation study

IN-HOUSE TRAINING

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.

QUALITY CERTIFICATIONS & ACCREDITATIONS

EuroMaTech is proud to be associated with the following accreditation bodies:



The PMI® Registered Education Provider logo is a registered mark of the Project Management Institute, Inc.

Reservoir Simulation Fundamentals for Non-Specialists

✓	Date	Venue	Fee(\$)
	22 - 26 Nov 2020	Dubai	US\$4,950

*This fee is inclusive of instruction materials, documentation, lunch, coffee/tea breaks & snack. All Fees are subject to 5% Value Added Tax (VAT).**

Your Details

Name (Mr/Ms):.....
 Position:..... Organisation:.....
 Address:.....

 City / Country:
 Telephone / Fax:

Mode Of Payment

- Please find enclosed a cheque made payable to EuroMaTech
- Please invoice me
- Please invoice my company as follows:

Contact Name:
 Company Name:
 Address:.....

Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates. In addition, a special note pad to facilitate note taking will be provided.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Schedule

Our Course timings commences at 08:30 and concludes at 14:00, followed by lunch on a daily basis.

Hotel Accommodation

EuroMaTech has negotiated special rates for a limited number of rooms in the hotel. Early registration will help to secure a room at the reduced rate.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment. For Further Information, Contact Your Nearest EuroMaTech Office.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

***VAT Announcement:** The Government of UAE have introduced Value Added Tax (VAT) on goods and services from 01-January-2018. In compliance with the legislation issued by the UAE Government, we will be applying a 5% VAT on the fees for all our programs and services offered from January 2018 as applicable and stipulated in the FTA circulars.

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