



Congreso Mexicano del Petróleo

26 - 29 septiembre. Acapulco, 2018



## 4. FOLD AND THRUST BELT STRUCTURAL STYLES FOR EXPLORATION AND DEVELOPMENT

**INSTRUCTOR: RENÉ MANCEDA**  
LA PLATA UNIVERSITY, YPF

*“Compartir ideas para afrontar nuevos retos”*

## Who Should Attend

- The course is focused on young geologists and geophysicists or experienced geoscientists who wish to update their knowledge of fold and thrust belt concepts.
- It is particularly beneficial for individuals who are working in fold and thrust belt projects and have some experience in seismic data interpretation

## Course objectives

- To update the structural geology concepts for use in E&D in fold and thrust belts
- Analyze structural geology using field data, seismic interpretation, E&D wells, analog and numerical models
- Optimize the structural characterization of oil and gas fields

### Day 1

- Introduction to fold and thrust belts
- Fold and thrust belt mechanics
- Kinematic fold models
- Extensional systems
- Inversion systems

### Day 2

- Strike Slip systems
- Growth strata
- Restoration and balanced cross sections
- Natural fracture systems

## Biography



Manceda received a Bachelor's of Science in In Geology from La Plata University, in La Plata, Argentina and a postgraduate degree in Geophysical Hydrocarbon Prospectively from Cuyo University in Mendoza, Argentina.

Manceda started his career working in structural geology mapping of the Andes spent 12 years providing structural geology support for exploration projects for YPF, Argentina's national oil company. After that, he worked internationally, conducting exploration projects in Bolivia, Ecuador and Colombia for Maxus Energy in Dallas, and managing Venezuela and Colombia region exploration projects for Apexus in Denver

Manceda later served as Structural Geology Community Leader for Repsol-YPF in Houston and in Repsol Madrid. In this position, he evaluated exploratory blocks as a part of the international new ventures team, working on projects in Algeria, Lybia, East Africa, Mozambique, Philippines, Indonesia, Australia, India, Papúa New Guinea, Myanmar, Vietnam, Thailand, China, New Zealand, Iran, Saudi Arabia, Russia and Spain.

In 2011, he returned to Argentina as Advisor Geologist for the YPF Exploration Geology Department. At YPF he received two Gorosito awards for his work in exploration projects and knowledge transfer provided through courses and field school in the Andes.

Manceda has participated as author or co-author for forty papers and 60 YPF internal reports and has coordinated consortia with Stanford University, The University of Texas Austin, Royal Holloway University at London, Colorado School of Mines and Oslo University.

He currently provides courses focused on structural geology of the Andes, is professor of the postgraduate of Hydrocarbon E&D Geosciences course at La Plata University and works as Structural Geologist at the YPF Technology Center.