

2019 ANNUAL MEETING of the MSc and PhD in Petroleum Engineering

DATE

June 19th, 2019

TIME

9:15 a.m. – 5:30 p.m

LOCATION

Instituto Superior Técnico
Alameda Campus
Civil Engineering Building
Room 4.41

CONTACT

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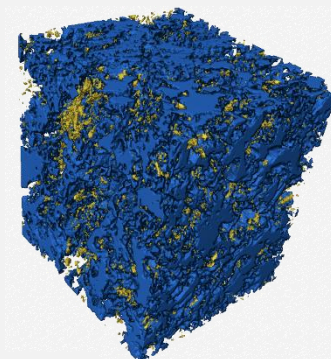
The **Master in Petroleum Engineering**, is offered by Instituto Superior Técnico since 2012. It is taught in 4 semesters. The 3 first semesters have an average of 5 Curricular Units (CUs) per semester. The 4th Semester is devoted to the preparation of the thesis. In total, the student has to complete 120 ECTS (European Credit Transfer and Accumulation System). In the 3rd Semester, bearing in mind the thesis plan and the grades achieved for the CUs from the 1st and 2nd Semesters, students have the option to carry out an internship at a foreign university, or in a company.

The **PhD program in Petroleum Engineering**, aims to promote specialization and deepening of scientific knowledge in the areas of major relevance of exploration and production related to the upstream of oil and gas industry: Reservoir modelling and characterization, Production, and Production Support Systems.

Selected individual thesis works are presented in the Annual Meeting, prior to the final examination. This is an opportunity for top students to share their research work with industry partners. Valuable contributions from the oil and gas industry obtained during the presentations and following discussion can steer the final stage of their research.

Relevant topics of 1019:

- ✓ Geostatistical seismic reservoir characterization
- ✓ Stochastic history matching and field development
- ✓ Fluid flow modelling at core scale
- ✓ Geological modelling with machine learning
- ✓ Downstream petroleum supply chain



800 m

The Annual Meeting is not only a good chance to overview the results achieved on Educational Programs as well as an opportunity for the companies to take notice on the main research projects and research lines developed in the field of Oil & Gas in **CERENA – Center of Natural Resources and Environment**.

Since it was launched in 2012, this Masters has already celebrated student exchange partnerships with prestigious foreign universities, such as the University of São Paulo, Campinas State University, the University of Pernambuco in Brazil, the Universities of TU Clausthal, Montanuniversität Leoben, TU Delft, Heriot-Watt University in Europe. Our IT lab is sponsored by Halliburton/Landmark(DecisionSpace and ProMAX), Beicip Franlab(InterWell and EasyTrace), Schlumberger(Petrel® and Eclipse®), CGG(HRS 10.2), Paradigm(Echos), Epistemy(Raven) and Rock Flow Dynamics (tNavigator)

Some of the benefits of the Annual Meeting for the companies visitors:

- ✓ Access to top students for recruitment in areas related with Petroleum Engineering;
- ✓ Access to research results hosted by **CERENA – Center of Natural Resources and Environment**;
- ✓ Explore collaboration opportunities on research between Academia and Industry;
- ✓ Opportunity for joint projects/services demonstrating the value of new technologies on real field cases.

Annual Meeting 2019 Program:

Morning:

Presentations of the MSc students.

Afternoon:

Presentation of the PhD students
Companies are invited do talk with students

Location:

Room V4.41, Civil Engineering Building, Campus da Alameda, **Instituto Superior Técnico**.



+info: program & abstracts

