

25

February 2016

# NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



## MDA 2016- 1st International Conference on Materials Design and Applications



The 1st International Conference on Materials Design and Applications 2016 will take place in Porto, Portugal, 30 June – 1 July 2016. The conference venue is the campus of the Faculty of Engineering of the University of Porto (FEUP), which offers excellent facilities for high quality scientific interactions. FEUP is located in the town of Porto in the Northern region of Portugal. Porto is a beautiful and lively city, steeped in history and rich in great experiences. With its magnificent location by the Atlantic coast, Porto is the city of the world famous Port Wine and the River Douro.

It is intended that his conference will be held every two years in Porto. The conference is chaired by Lucas F. M. da Silva.

The focus is on fundamental research and application areas in the field of the design and application of engineering materials, predominantly within the context of mechanical engineering applications such as automobile, railway, marine, aerospace, biomedical, pressure vessel technology, turbine technology, etc. This includes a wide range of materials engineering and technology, including metals, e.g., lightweight metallic materials, polymers, composites, and ceramics. Advanced applications would include manufacturing in the new or newer materials, testing methods, multi-scale experimental and computational aspects (e.g. micro- and nano-scale techniques).

More Information with Prof. João Bordado ( Member of Scientific Committee)

Official WebPage : <https://paginas.fe.up.pt/~mda2016/index.html>

## Galp's E&P strategy and major achievements

Associação Portuguesa de Geocientistas e Engenheiros de Petróleo

Ciclo de Palestras 2015/16  
2ª Palestra

**Thore Kristiansen**  
Galp Energia

**Galp's E&P strategy and major achievements**  
Entrada livre

24 Fevereiro 2016  
18:00  
sala Q&A.1  
Pavilhão de Química  
Instituto Superior Técnico

Associação Portuguesa de Geocientistas e Engenheiros de Petróleo  
#APGEPalestras

Broad international executive oil & gas experience. Upstream and downstream experience as well as corporate experience from Investor Relations, Corporate Finance and M&A. Lived and worked in 8 different countries with working experience including President Statoil Venezuela, President Statoil Deutschland, Vice President IR North America, Senior Vice President Sub Saharan Africa and Senior Vice President Development and Production for South America and President of Statoil Brazil based in Rio de Janeiro. From Rio Statoil operated the Peregrino field, which is one of Statoil's largest operation outside of Norway. Currently Chief Operating Officer Exploration & Production and Executive Director at Galp Energia.

## UPCOMING EVENTS



## Last Lecture of Professor Clemente Pedro Nunes | February, 19 2016 | 17h45 – IST Alameda



After almost 46 years of teaching at the Instituto Superior Técnico, Universidade de Lisboa, Professor Eng Clemente Pedro Nunes (integrated member of CERENA) will, on the 19th of February, giving his "Last Lecture."

The class will take place at the Amphitheatre of the Congress of the Instituto Superior Técnico, the 17:45 and will be inserted in the 2016 IST- Chemical Engineering Conference .

The Governing Council of the Southern Region of Engineers Association, given the importance of this event which marks the end of the academic career of one of the most prestigious members of his Order, already announced the event through one invitation letter of the President of the Southern Region Executive Council Eng<sup>o</sup>.Carlos Mineiro Aires.

The lecture is followed by a dinner at 20 h in the Engineers Association Restaurant.

## Seminar on Urban and Industrial Waste Management



Next March, 15 is held a Seminar on Urban and Industrial Waste Management organized by APEMETA – Portuguese Association of Environmental Technology Companies which is a non-profit business association of environmental, private sector organizations that was created in 1989 with the goal of supporting entrepreneurship in the sector and presently represents near to 130 member companies.

In this seminar, which actively participates Prof. Susete-Martins Dias, the goal is to meet new challenges and solutions for waste management.

More information in :<http://www.apemeta.pt/apemeta/home.aspx>

## **Paper Published**

### A Multivariate Geostatistical Methodology to Delineate Areas of Potential Interest for Future Sedimentary Gold Exploration

Pierre Goovaerts, M.T.D. Albuquerque, I.M.H.R. Antunes, 2016, A Multivariate Geostatistical Methodology to Delineate Areas of Potential Interest for Future Sedimentary Gold Exploration, Mathematical Geosciences, pp 1-19, DOI:10.1007/s11004-015-9632-8, ISSN: 1874-8961 (Print) 1874-8953 (Online), Springer.

### Interaction of CO<sub>2</sub> and CH<sub>4</sub> with Functionalized Periodic Mesoporous Phenylene–Silica: Periodic DFT Calculations and Gas Adsorption Measurements

Mirtha A. O. Lourenço, Christophe Siquet, Mariana Sardo Luís Mafra, João Pires, Miguel Jorge, Moisés L. Pinto, Paula Ferreira, and José R. B. Gomes, 2016, Interaction of CO<sub>2</sub> and CH<sub>4</sub> with Functionalized Periodic Mesoporous Phenylene–Silica: Periodic DFT Calculations and Gas Adsorption Measurements, J. Phys. Chem. C, 120 (7), pp 3863–3875, DOI: 10.1021/acs.jpcc.5b11844

## **PhD Defense of Rita de Melo Durão**



Last February 11th, Rita de Melo Durão successfully defended her thesis entitled “A methodological framework for space-time prediction of air quality in the surroundings of industrial areas”, at IST.

Supervisor: Maria João Pereira (CERENA/IST/ULisboa).