

NEWSLETTER

Centro de Recursos Naturais e Ambiente

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Gulbenkian's Grant to Amélia Dionísio



CERENA was one of the Portuguese R&D centers that has been awarded financing for an R&D project within the Gulbenkian program "Concurso Gulbenkian 2016: Investigação científica e tecnológica - Estímulo à Investigação" in the area "Chemistry and Art". The main researcher from CERENA is Amélia Dionísio and the M.Sc. student in Conservation and Restoration is Vera Gomes (FCT-UNOVA). The R&D project is entitled: "Aliança entre a Ciência e o Património Cultural construído em pedra: otimização de tecnologias de limpeza de graffiti".

Helder Salvação (PhD student) has participated at Nano PT 2017



Helder Salvação (Ph.D. student) participated at the Nano PT 2017 conference, in Porto, February 2017, with the following oral presentation:

Albuquerque, P., Gomes, J., Miranda, R., Salvação, H., "Occupational exposure to welding fumes in the metal-mechanic industries in Portugal", NanoPT 2017, Porto, 2017

http://www.nanopt.org/17Abstracts/NanoPT2017_Albuquerque_Paula_97.pdf

Seminar – Forward thinking in reservoir modelling



March 1, at 11:30 am.

Venue: Room Q4.7, South Tower, IST – Alameda

The seminar entitled "Forward thinking in reservoir modelling" was presented by Mr. Pedro Pinto.

Pedro is a young professional with a B.Sc. degree on Geology and a M.Sc. degree on Petroleum Engineering, from the University of Lisbon (UL). He worked as a researcher in the Centre for Reservoir Modelling (CERENA) at IST-UL, focusing on 4D seismic campaign prediction workflows based on compositional simulation. Later he worked for Partex Oil&Gas as a reservoir engineer, developing modelling workflows for improved history matching, as well as in the Petroleum Institute of Abu Dhabi, developing new methods

for improved modelling of capillary transition zones in carbonate reservoirs. Currently he works as an independent consultant for oil & gas companies.

UPCOMING EVENTS



Seminar – Learning from offshore disasters: Piper Alpha and Macondo



Friday, March 3, at 11:00am

Venue: Room V1.08, Civil Building, IST – Alameda

The seminar entitled “Learning from offshore disasters: Piper Alpha and Macondo” was presented by Mr. Nicholas Thwaites, from INEOS Shale.

Herein a brief summary of Thwaites’s background:

Chartered Senior Well Engineer, 16 years broad based upstream experience in Drilling, Drilling Supervision, Well Operations Management, and Completion Design. Onshore and Offshore wells (platform and semi-subs); horizontal / ERD wells; coring (conventional coring & wireline coring); CBM exploration wells, horizontal wells, quadrilaterals and intersection wells; HPHT wells; Through Tubing Rotary Drilling (TTRD) and slim hole wells; slot recovery and well plug and abandonment; open hole and cased hole fishing; workovers; CT workovers and interventions, e-line and slick line interventions. Cased / perforated completions; slotted liners; ESP and dual ESP completions; jet pumps; Progressing Cavity Pumps (PCPs). Wellbore clean-ups and well tests. Assignments in West and South Africa, Eastern Europe, UK North Sea, and Onshore UK. Co-author of 4 SPE papers.

Published Papers:

[Geostatistical seismic inversion for non-stationary patterns using direct sequential simulation and co-simulation](#)

Sabeti, H., Moradzadeh, A., Ardejani, F. D., Azevedo, L., Soares, A., Pereira, P. and Nunes, R. (2017), Geostatistical seismic inversion for non-stationary patterns using direct sequential simulation and co-simulation. Geophysical Prospecting. Accepted Author Manuscript.

[doi:10.1111/1365-2478.12502](https://doi.org/10.1111/1365-2478.12502)

[Evaluation of single-band snow-patch mapping using high-resolution microwave remote sensing: An application in the maritime Antarctic](#)

Mora C., Jiménez J.J., Pina P., Catalão J., Vieira G., 2017. Evaluation of single-band snow-patch mapping using high-resolution microwave remote sensing: An application in the maritime Antarctic. The Cryosphere, 11:139-155.

doi:10.5194/tc-11-139-2017

<http://dx.doi.org/doi:10.5194/tc-11-139-2017>

[Traffic represents the main source of pollution in small Mediterranean urban areas as seen by lichen functional groups](#)

Llop, E., Pinho, P., Ribeiro, M.C. et al. Environ Sci Pollut Res (2017).

doi:10.1007/s11356-017-8598-0

<http://link.springer.com/article/10.1007/s11356-017-8598-0>

[Organically-modified silica based microspheres for self-curing polyurethane one component foams](#)

Mónica V. Loureiro, Rosaria Ciriminna, Maria José Lourenço, Luis F. Santos, Aster De Schrijver, João C. Bordado, Mario Pagliaro, Ana C. Marques, Microporous and Mesoporous Materials, 244 (2017) 244 - 250.

<http://dx.doi.org/10.1016/j.micromeso.2016.10.039>