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April 2017

NEWSLETTER

Centro de Recursos Naturais e Ambiente

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DEQTalk – Processing Engineering and the Societal Challenges of Foods



The DEQTalk entitled “Processing Engineering and the Societal Challenges of Foods” was given, on the 26th of April, at 4 pm, by Jorge Oliveira, Invited Full Professor at the Department of Chemical Engineering, IST.

“Medicines Shortages” (COST Action CA15105), locally organized by João Luís Miranda.



A Training School on “Medicines Shortages” (COST Action CA15105) addressing Pharmaceutical Supply Chains (SC) was held at Instituto Superior Técnico (IST), Lisboa, Portugal, from the 26th to the 28th of April 2017, to discuss relevant topics to the Pharmaceutical Supply Chain within the COST Action “Medicines Shortages” (CA15105), European Medicines Shortages Research Network – addressing supply problems to patients.

11th Land Waste National Forum



Susete dias was debate moderator at the 11th Land Waste National Forum, on the topic “DEVIATION OF LAND WASTE AND ENERGY ENHANCEMENT IN THE 2030 SCENARIO”, where the role of energetic valorization in the land waste deviation was anticipated, according to the targets for 2030.

<http://www.ambienteonline.pt/11fnr>

UPCOMING EVENTS



2017 EUROPEAN SEG HONORARY LECTURER – “New trends in marine seismic acquisition – possibilities and impact on data quality”



On 17th April, at 17h00, a seminar entitled “New trends in marine seismic acquisition – possibilities and impact on data quality” was given by Dr. Martin Landrø – SEG European Honorary Lecturer 2017 (Society of Exploration Geophysicists).

Biography:

Martin Landrø received an M.S. (1983) and Ph.D. (1986) in physics from the Norwegian University of Science and Technology. From 1986 to 1989, he worked at SERES A/S. From 1989 to 1996, he was employed at IKU Petroleum Research as a research geophysicist and manager. From 1996 to 1998, he worked as a specialist at Statoil’s research center in Trondheim. Since 1998, Landrø has been a professor at the Norwegian University of Science and Technology, Department of Petroleum Engineering and Applied Geophysics. He received the Norman Falcon award from EAGE (2000) and the award for best paper in GEOPHYSICS (2001). Landrø received the Norwegian Geophysical award (2004) and Statoil’s researcher prize (2007). He received the SINTEF award for outstanding pedagogical activity (2009). He received the Louis Cagniard award from EAGE (2010) and the Eni award – New Frontiers in Hydrocarbons (2011). He received the Conrad Schlumberger award from EAGE. Landrø’s research interests include seismic inversion, marine seismic acquisition, and 4D and 4C seismic. This includes geophysical monitoring of CO₂ storage. He received the IOR award from the Norwegian Petroleum Directorate (2014). He is a member of EAGE, SEG, The Norwegian Academy of Technological Sciences, and The Royal Norwegian Society of Sciences and Letters.

Venue: Instituto Superior Técnico, Room QA02.3, Floor -2, Tower South, Alameda.

More info here: www.seg.org/Education/Lectures/Honorary-Lectures/2017-HL-Landro

Published Papers:

The relative abundances of resolved ¹²CH₂D₂ and ¹³CH₃D and mechanisms controlling isotopic bond ordering in abiotic and biotic methane gases

E.D. Young, I.E. Kohl, B. Sherwood Lollar, G. Etiope, D. Rumble III, S. Li, M.A. Haghnegahdar, E.A. Schauble, K.A. McCain, D.I. Foustoukos, C. Sutcliffe, O. Warr, C.J. Ballentine, T.C. Onstott, H. Hosgormez, A. Neubeck, J.M. Marques, I. Pérez-Rodríguez, A.R. Rowe, D.E. LaRowe, C. Magnabosco, L.Y. Yeung, J.L. Ash, L.T. Bryndzia (2017) *Geochimica et Cosmochimica Acta*, 203: 235–264

<http://doi.org/10.1016/j.gca.2016.12.041>

New papers in the framework of the Microencapsulation and Immobilization Technology Platform

Two different studies on the topic of amino-silica microcapsules as curing agents for polyurethane foams have been recently published:

Mónica V. Loureiro, Maria José Lourenço, Aster De Schrijver, Luís F. Santos, João C. Bordado, Ana C. Marques, “Amino-silica microcapsules as effective curing agents for polyurethane foams”, *Journal of Materials Science* 52 (9) (2017) 5380–5389.

[DOI: 10.1007/s10853-017-0782-6](https://doi.org/10.1007/s10853-017-0782-6)

Ana C. Marques, Mónica V. Loureiro, Maria José Lourenço, Aster De Schrijver, João C. Bordado, “Amino Surface Functionalized Microcapsules as Curing Agents for Polyurethane Foams”, *Materials and Manufacturing Processes* (2017)

[DOI: 10.1080/10426914.2017.1291950](https://doi.org/10.1080/10426914.2017.1291950)

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*.

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