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March 2016

NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



Booklet about FIRST SEMINAR on ENHANCED LANDFILL MINING



A booklet about the FIRST SEMINAR ABOUT ENHANCED LANDFILL MINING could be obtain at [ELFM SEMINAR EP 2015 BOOKLET](#)

The motivation to organise the first ELM Seminar in the European Parliament can be brought back to the official answer of the EC (28-7-2015) to a written Parliamentary Question (E-007864/2015) about Europe's views on ELM. In its response the European Commission admitted that it does not yet have a clear strategy with respect to its landfills and their potential mining/remediation, and it has not performed any cost estimates of the total landfill-remediation bill. This response corroborated the need for a dedicated Seminar where ELM and landfill experts would present their views on the landfill mining concept, while initiating a fruitful dialogue with Members of the European Parliament and the different involved DG's of the European Commission (DG GROW, DG RTD, DG ENERGY, DG ENVIRONMENT).

Cerena participated at Futuralia 2016



Material to Virtual and Virtual to material was the theme chosen to publicize the activities of the IST Mineralogy and Petrology Laboratory (CERENA) and Modeling and 3D printing (iStartlab - American partnership Corner-IST) on Futuralia 2016

Futuralia (<http://futuralia.fil.pt/>) is the largest forum for national dissemination of educational offerings, training and employability of the country. In 2015 more than 73,000 young people and adults visited the FIL facilities to visit Futurália.

5th INTERNATIONAL CONFERENCE YOUTH in CONSERVATION of CULTURAL HERITAGE: YOCOUCU on next 21st-23rd September 2016



YOCOUCU aims to foster the role of youth in the field of research on conservation and restoration, in all the disciplines related to cultural heritage, from the most traditional to the most modern perspectives, all kind of materials and heritages. YOCOUCU wants to constitute a meeting point between young and senior professionals, being the formers the true protagonists of this event

Amelia Dionisio is representing CERENA in SCIENTIFIC COMMITTEE of this event at Madrid, SPAIN on next 21st-23rd September 2016

CERENA's Seminar : March 18th at 16:00h | QA02.1, South tower , -2



Title: "Prediction of ground vibration amplitudes due to urban railway traffic using quantitative and qualitative field data "

Speaker: Gustavo Paneiro , Researcher fellow of CERENA with PhD. in fields of Geomechanics.

Local : Sala QA02.1, Torre Sul , piso -2 (campus da Alameda do IST/ULisboa)

Day and Time: March, 18th at 16:00h

UPCOMING EVENTS



IST Petroleum Engineering Seminars: Outcrop Analogues for Carbonate Reservoirs: a Virtual Field Trip

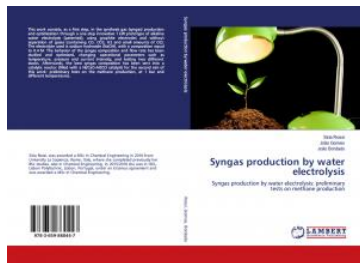


Friday, March 31th, at 16h00, the seminar

“Outcrop Analogues for Carbonate Reservoirs: a Virtual Field Trip” will be held, presented by Mr. Paulo Bizarro, from Partex Oil&Gas

Venue: Room Q4.2, South Tower, IST – Alameda Campus

New Book : Syngas production by water electrolysis



Rossi, S., Gomes, J.F.P., Bordado, J., “Syngas production by water electrolysis”,

LAP Lambert Academic Publishing, Saarbrucken, 2016 – ISBN 978-3-659-86044-7

More information : https://works.bepress.com/joao_gomes/74/

Paper Published

The Potential Growth of Sugarcane in Constructed Wetlands Designed for Tertiary Treatment of Wastewater

Dina M.R. Mateus; Mafalda M. Vaz; Isabel Capela; Henrique J.O. Pinho, “The Potential Growth of Sugarcane in Constructed Wetlands Designed for Tertiary Treatment of Wastewater”, *Water* 2016, 8(3), 93; doi: 10.3390/w8030093

A coregionalization model can assist specification of Geographically Weighted Poisson Regression: Application to an ecological study

Manuel Castro Ribeiro, António Jorge Sousa, Maria João Pereira (2016) “A coregionalization model can assist specification of Geographically Weighted Poisson Regression: Application to an ecological study”, *Spatial and Spatio-temporal Epidemiology*, Volume 17, pages 1-13, doi:10.1016/j.sste.2016.02.001

Ambient noise tomography of the East African Rift in Mozambique

Domingues, A., Silveira, G., Ferreira, A., Chang, S.-J., Custodio, S. and Fonseca, J.F.B.D. (2016), “Ambient noise tomography of the East African Rift in Mozambique”, *Geophysical Journal International*, doi: 10.1093/gji/ggv538.

Semi-Empirical Modeling of Gas–Liquid Mass Transfer in Gas–Liquid–Liquid Systems in Stirred Tanks

Henrique J. O. Pinho; Sebastião S. Alves, “Semi-Empirical Modeling of Gas–Liquid Mass Transfer in Gas–Liquid–Liquid Systems in Stirred Tanks”, *Chemical Engineering Communications* 2016, 203(1); doi: 10.1080/00986445.2014.929575