

28

May 2016

NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



CERENA's members participate in Two New P2020 projects approved



Two new projects were approved in the P2020 programme:

Project name: Redução e Captura de Partículas em Sistemas de Queima de Biomassa

Acronym : Partiless

Partners: Torbel /IST

Total Budget / IST Budget: 1054k€/200k€

IST Team: João Bordado (Coordinator IST); Joana Neiva Correia; Mario Costa; Rui Galhano dos Santos; Margarida Mateus; Sandrina Pereira; Cristina Fernandes, Pedro Coelho; António Correia Diogo; Rosário Ribeiro

Project name: Upgrade da instalação piloto ENERGREEN

Acronym : AlfaGreen

Partners: Secil/IST

Total Budget / IST Budget: 1013k€/125k€

IST/Cerena Team: João Bordado (Coordinator IST); Margarida Mateus; Rui Galhano dos Santos; Joana Neiva Correia; Francisco Lemos; Cristina Fernandes; Fátima Coelho; António C Diogo; Rosinda Ismael; Teresa Reis.

3rd Annual Meeting of Petroleum Engineering



The 3rd Annual Meeting of Petroleum Engineering took place on the 3rd of May 2016, in IST. In this event master students and PhD students presented their thesis works to an audience composed by of students, researchers and experts of around 60 people. The event had the presence and participation of several experts from national and international companies, namely: Galp, Partex Oil&Gas , TOTAL, Subsea7, Beicip-Franlab, ENI, ENMC, Geolog and PetroGuin.

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Topics discussed included Multi-scale geostatistical history matching, Genetic programming for reservoir modeling and characterization, Simulations of chemical core flooding, Earth models for early exploration stages, Optimization of a Simultaneous Water alternating Gas injection Scheme, Numerical simulation of the wax deposition in pipelines and wells, Integration of uncertain well data for seismic reservoir characterization, Accounting for rock physics models in stochastic seismic inversion and Integration of seismic interpretation in to geostatistical acoustic impedance, all these subjects had special attention of the experts present leading to interactive presentations .

UPCOMING EVENTS



[CERENA's member is appointed as member of the EAGE Young Professionals Special Interest Community](#)

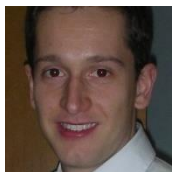


Leonardo Azevedo was recently selected to be one of the 4 members of the EAGE Young Professionals Special Interest Community for the next two years. The EAGE YP Community facilitates online communication between members of the network, and promotes the inclusive participation of young professionals in related EAGE activities (<https://www.eage.org/?evp=13073>).

EAGE, the European Association of Geoscientists and Engineers is a professional society where all members are involved in (or studying) geophysics, petroleum exploration, geology, reservoir engineering, mining and mineral exploration, civil engineering, tunneling and environmental matters.

This nomination is also an international recognition of the high quality research work of CERENA's Petroleum Group in fields related with subsurface modelling and characterization.

IST Petroleum Engineering Seminars:



["Introduction to subsea pipeline design"](#)

Thursday, May 12th, at 16h00, the seminar

"Introduction to subsea pipeline design", will be presented by Mr. Jeremy Auer.

Venue: Room V1.03, Civil Engineering Building, IST – Alameda Campus. Jeremy Auer is MSc in Engineering from Ecole Centrale Lyon (France). He has 9 years of experience in the Oil and Gas Industry. He has joined Susbea 7 in 2011 in the Paris office. Since October 2014, he is the leading pipeline and riser engineering activities in the Lisbon office.



["Bayesian inversion methods and rock physics models for seismic reservoir characterization and monitoring"](#)

Friday, May 13th, at 11h00, the seminar

"Bayesian inversion methods and rock physics models for seismic reservoir characterization and monitoring", will be held, presented by Prof. Dario Grana.

Venue: Room VA2, Civil Engineering Building, IST – Alameda

Paper Published

[A coregionalization model can assist specification of Geographically Weighted Poisson Regression: Application to an ecological study](#)

Manuel C Ribeiro, Antonio J. Sousa, Maria J Pereira (2016), A coregionalization model can assist specification of Geographically Weighted Poisson Regression: Application to an ecological study, Spatial and Spatio-temporal Epidemiology, 17, May 2016, 1–13

[Ambient noise tomography of the East African Rift in Mozambique](#)

Ambient noise tomography of the East African Rift in Mozambique

Ana Domingues, Graça Silveira, Ana M.G. Ferreira, Sung-Joon Chang, Susana Custódio and João F.B.D. Fonseca (2016), Ambient noise tomography of the East African Rift in Mozambique, Geophysical Journal International, 204, (3), 1565–1578