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January 2016

NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



WRI-15 – 15th Water-Rock Interaction International Symposium



As Chairman of the WRI-15 – 15th Water-Rock Interaction International Symposium <http://wri15portugal.org/> and Senior Research at CERENA (Centre for Natural Resources and Environment, Instituto Superior Técnico, University of Lisbon), it is my great pleasure to invite all the members of the Water-Rock Interaction World Community, whatever your specialty, to attend the WRI-15 International Symposium, to be held in Évora, a UNESCO World Heritage City in Southern Portugal, from 16 to 21 October 2016.

The proposed destination and the facilities currently available and those to be developed prior to the start of WRI-15 will provide one of the richest environments that the Water-Rock Interaction Scientific Community will ever have experienced – people -friendly “water and rock places” that you will never forget. The focus on new developments and new perspectives on this R&D field will be the main objectives of this Event.

I am sure that all those involved in organizing the 15th Water-Rock Interaction International Symposium will do their absolute best to ensure that your time with us will be special. So, on behalf of the LOC Organizing Committee, please accept my best wishes for an enjoyable and productive Symposium.

The hardest part will be bidding us farewell.

Yours sincerely,

José Manuel Marques

A new research project, funded by ACT (Autoridade para as Condições de Trabalho) – Welding fume – Assessment of emitted particles and its influence on workers health



A new research project, funded by ACT – Autoridade para as Condições de Trabalho, 112APJ/11, entitled: “Fumos de Soldadura – Avaliação da Partículas Emitidas e sua Influência na Saúde dos Trabalhadores” (Welding fume – Assessment of emitted particles and its influence on workers health) was approved and will be starting up in January 2016, coordinated by Prof. João Gomes.

SUM2016 – Third Symposium on Urban Mining and Circular Economy



According to the number and quality of submissions received, selected manuscripts will be organized into one or more special thematic issues of [Waste Management Journal](#) on different topics related to Urban Mining and Circular Economy .

For further information on SUM2016 and details on papers submission please visit www.urbanmining.it or contact us on papers@urbanmining.it

UPCOMING EVENTS



11th International Conference on Geostatistics for Environmental Application Conference



CERENA is organizing geoENV 2016, the 11th International Conference on Geostatistics for Environmental Application Conference **from 6-8 July 2016**. Call for abstracts are open until the end of January.

GeoENV conferences have been held biennially at venues across Europe. The first conference was held in Lisbon in 1996 with the aim of bringing together researchers working on environmental subjects approached by geostatistical methods. At that time, papers were attracted from fields as diverse as hydrogeology, biology, soil sciences, air pollution or ecology. Since then, research on these fields has expanded and new fields have emerged. Today, GeoENV conferences have become a leading forum for scientists across a broad range of disciplines to share their experiences on the application of geostatistics to environmental problems.

<http://2016.geoenvia.org/>

CERENA again in Antartica: the 2016 campaign

By the 5th year in a row, researchers from CERENA are participating in field campaigns in Antarctica, during the austral summer, within the frame of PROPOLAR (the Portuguese Polar Program) in an extended international cooperation. In this year's campaign, the participation is being done by researcher Lourenço Bandeira which will develop his activities in Hurd Peninsula, Livingston island in the South Shetlands, from middle January to the end of February 2016. Lourenço Bandeira is the PI of project ANTUAV, which is monitoring the ice-free surfaces of Maritime Antarctica using remotely sensed images captured by drones, to better understand the impact of climate change in one of the regions of the Earth where air temperature has increased more in the last half-century. Those activities can be followed on-line on the journal of the campaign (<http://www.propolar.org/>).

Researchers from CERENA/ISEL were able to develop a process producing methane from renewable electricity.



Within a QREN/Compete project, researchers from CERENA/ISEL were able to develop a process producing methane from renewable electricity. A prototype of 1 kW is currently under test in ISEL laboratories.

Further information: Prof. João Gomes – email: jgomes@deq.isel.ipl.pt

Prof. João Bordado – “Membro Conselheiro” from the Portuguese Association of Engineers



Prof. João Bordado received the title of “Membro Conselheiro” from the Portuguese Association of Engineers on the National Engineering Day, in Braga, November 2015

Paper Published

The Eastern Lower Tagus Valley Fault Zone in central Portugal: Active faulting in a low-deformation region within a major river environment

Canora, C, Vilanova, SP, Besana-Ostman, GM, Carvalho, J, Heleno, S, Fonseca, J. (2015), “The Eastern Lower Tagus Valley Fault Zone in central Portugal: Active faulting in a low-deformation region within a major river environment”, Tectonophysics, 117-131,

<https://sotis.tecnico.ulisboa.pt/sotis-ui/>