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October 2015

NEWSLETTER

Centro de Recursos Naturais e Ambiente

www.cerena.pt



IO2015-XVII Congress of the Portuguese OR Society (APDIO)



The IO2015-XVII Congress of the Portuguese OR Society (APDIO), “Operations Research & Big Data”, was held in the College of Technology and Management (ESTG) of the Polytechnics Institute of Portalegre (IPP) between 7 and 9 September-2015. With enthusiastic participants from Portugal, Spain, Brazil, Canada and Turkey, the three days of scientific work at IO2015 were complemented with traditional academic activities. The book of abstracts (ISBN 978-989-95089-7-2) and other IO2015 materials have been largely developed by teaching staff and students of ESTG/IPP programs on Design of Communication (DC) and on Secretarial Studies and Public Relations (RPS). Using a coherent and consistent alignment, such materials are also compiled on a CD volume (ISBN 978-989-95089-8-9). Selected papers are considered for publication in the IO2015 Proceedings (on proof) on the Springer series in “Studies in Big Data”.

More info: <http://www.io2015.ipportalegre.pt/en-EN/index.html>

Participation in the 2nd EuCheMS Congress on Green and Sustainable Chemistry



CERENA’s researcher Moisés L. Pinto participated at the 2nd EuCheMS Congress on Green and Sustainable Chemistry with the oral presentation “The structure of CO₂ adsorbed in amine functionalized mesoporous silicas”.

http://www.researchgate.net/publication/283053071_The_Structure_of_CO2_Adsorbed_in_Amine_Functionalized_Mesoporous_Silicas

PhD Defense



Last July 27, José Valério do Nascimento Palmeira successfully defended his PhD thesis entitled “Waste Heat Recovery in Industry”, at IST.

Supervisor: Henrique A. Matos (CERENA/IST/ULisboa)
Co-supervisor: João Miguel Silva (CQE/ISEL/IPLisboa).

UPCOMING EVENTS



Project FING – Network in Training and Education within Oil and Gas, Safety and Environment

U. PORTO

FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

No próximo dia 6 de Novembro o Departamento de Engenharia de Minas da Faculdade de Engenharia da Universidade do Porto promove um seminário de apresentação do projeto FING.

On the 6th of November, the Department of Mining Engineering, of the Faculty of Engineering of the University of Porto, promotes a seminar to present the FING project.

Hora – 09h00 / Schedule – 09h00 | Sala – B031 / Room – B031

[Project FING](#)

13 de Novembro – Auditório da FEUP

Inscrição obrigatória para fins logísticos:

<http://paginas.fe.up.pt/~deminas/inscricaoeventos/>

New Book : CORRESPONDENCE ANALYSIS AS A MODELING TOOL



This book presents a particular perspective on Correspondence Analysis methodology based on the practical experience of the authors in applied research in the topic and in related areas in Data Analysis. The target audience for the book includes undergraduate and graduate students in Engineering, Biology, Geology, Sociology and other branches of Science, both ‘hard’ and ‘soft’. Discipline experts who make use of Big Data for modeling purposes in any field will also benefit from this text, which includes a software package suitable for most applications.

Correspondence Analysis is a data treatment methodology developed in the 1960s by the French mathematician Jean-Paul Benzécri. In this text, Correspondence Analysis is considered as a modeling tool that can be used to convert raw numeric data into graphical displays, the interpretation of which may reveal new relationships or associations among the basic elements of the input tables. The resulting structure may be considered as the backbone of a particular type of model having a number of descriptive or explanatory purposes.

Authors: **HENRIQUE GARCIA PEREIRA, ANTÓNIO JORGE DE SOUSA, JORGE TAVARES RIBEIRO, RITA SALGUEIRO, PETER DOWD**

Next CERENA’s Seminar : October 30th at 16:00h | QA02.1, South tower , -2



Title : “Recuperação do vidro contido no rejeitado pesado proveniente de instalações de Tratamento Mecânico Biológico para reciclagem “

Speaker: Nilmara Dias , PhD student at CERENA sob orientação da Prof. Teresa Carvalho

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

Day and Time: October 30th, at 16:00 h.