

1st Symposium on Subsoil Characterization and Remediation

4 June 2012, Porto, Portugal



SSCR 2012

1st Symposium on Subsoil
Characterization and Remediation

**4 June 2012
Porto, Portugal**

**University of Porto
Faculty of Engineering**

FEUP Auditorium B032



PROGRAM		
8h30 - 9h00	Opening Session - Prof. Fejo de Azevedo / Prof. António Fiúza	
9h00 - 9h30	Plenary Session - Amílcar Soares (IST/CERENA) - "GEOSTATISTICAL DATA INTEGRATION MODEL FOR CONTAMINATION ASSESSMENT"	Subsoil Characterization
9h30 - 9h45	Teresa Leitão, "ENVIRONMENTAL SITUATION IN THE SURROUNDING AREA OF LAJES FIELD AIRPORT, AZORES"	
9h45 - 10h00	Célia Neves, "VADOSE ZONE CHARACTERIZATION ON ESTARREJA CHEMICAL COMPLEX SURROUNDING AREA"	
10h00 - 10h15	Helena Amaral, "CONTAMINATION OF SOILS AND WATERS BY EXPLOSIVES – ATTENUATION IN THE VADOSE ZONE"	
10h15 - 10h30	Manuela Carvalho, "XYLENE SORPTION IN THREE DIFFERENT PORTUGUESE SUBSOILS"	
10h30 - 11h00	Coffee Break	
11h00 - 11h30	Invited Speaker - Maria João Pereira (IST/CERENA) - "GEOSTATISTICAL MODELS FOR SOIL APPLICATIONS"	Risk Assessment Management
11h30 - 11h45	Sónia Rodrigues, "TOWARDS THE INCLUSION OF AVAILABILITY MEASUREMENTS IN SOIL RISK EVALUATIONS IN PORTUGAL"	
11h45 - 12h00	Catarina Sequeira, "QUANTITATIVE ASSESSMENT OF HUMAN RISK, ECOLOGICAL RISK AND SPREADING RISK RELATED WITH SOIL AND GROUNDWATER CONTAMINATION"	
12h00 - 12h15	Joana Ribeiro, "DOURO COALFIELD COAL MINING AND CONSUMPTION—AN ENVIRONMENTAL CONTAMINATION"	
	Lunch	
14h15 - 14h45	Invited Speaker - Alette Langenhoff (Deltares, NL) - "WHO'S AFRAID OF IN-SITU REMEDIATION? BACKGROUND AND CASES OF IN-SITU BIOLOGICAL AND CHEMICAL REMEDIATION"	Chemical / Biological Remediation
14h45 - 15h00	Hugo Ribeiro, "INFLUENCE OF DIFFERENT SALT MARSH PLANTS ON HYDROCARBON DEGRADING MICROORGANISMS ABUNDANCE THROUGHOUT A PHENOLOGICAL CYCLE"	
15h00 - 15h15	Ana Rita Lopes, "DOES MOLINATE BIODEGRADATION IMPACT MICROBIAL COMMUNITY STRUCTURE?"	
15h15 - 15h30	Albina Franco, "BIOREMEDIATION ON ANTHROPOGENIC AFFECTED AREAS: ECTOMYCORRHIZAL AND PLANT GROWTH BACTERIA AS PROMOTERS OF PINE ESTABLISHMENT"	
15h30 - 15h45	Tomas Albergaria, "REMOVAL OF IBUPROFEN FROM THE ENVIRONMENT BY ZERO-VALENT IRON NANOPARTICLES SYNTHESIZED USING BLACK TEA EXTRACT"	
15h45 - 16h15	Coffee Break	
16h15 - 16h45	Invited Speaker - Evan Cox (Geosyntec, USA/Canada) - "ADVANCES IN SOURCE REMEDIATION USING ELECTROKINETIC AND THERMAL TREATMENT TECHNIQUES"	Physical / Thermal Remediation
16h45 - 17h00	Felipe Couto, "THE APPLICATION OF STEAM ENHANCED DUAL PHASE EXTRACTION IN THE TREATMENT OF HIGH VISCOSITY OIL CONTAMINATED SOIL AND GROUNDWATER"	
17h00 - 17h30	Closing Ceremonies	

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Organizers:



Final Call for Registrations

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Scope

The objective of the symposium is to bring together scientists, engineers, post-graduate students, authorities and professionals to present their findings and discuss new trends and new challenges in contaminated soils and groundwater: sampling, space-time characterization, management and risk assessment and remediation.

Topics

- Geostatistical characterization of subsoil contamination.
- Modeling the space-time distributions of contamination.
- Quantitative risk assessment.
- Subsoil remediation – in-situ chemical / biological technologies.
- Subsoil remediation – physical / thermal technologies.

Presentations will be in English and/or Portuguese.

<http://paginas.fe.up.pt/~cigar/>

Symposium secretariat:

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FEUP
Rua Roberto Frias
4200 – 465 PORTO

Payment Information:

Payment can be made by check, cash (at FEUP - tesouraria , or bank transfer:
NIB*: 0035 0196 00006125730 41
BIC SWIFT: CGDIPTPL
IBAN: PT50 0035 0196 00006125730 41
***must include the name of the participant**

Students are strongly encouraged to participate

Organizing Committee

António Fiúza (CIGAR/FEUP)
Amílcar Soares (CERENA/IST)
Anthony Danko (CIGAR/FEUP)
Cristina Vila (CIGAR/FEUP)
Ana Horta (CERENA/IST)

Scientific Committee

Alette Langenhoff (Deltares, the Netherlands)
Amílcar Soares (CERENA/IST)
Ana Horta (CERENA/IST)
Anthony Danko (CIGAR/FEUP)
António Fiúza (CIGAR/FEUP)
Cristina Vila (CIGAR/FEUP)
Elsa Sampaio (ICAAM/ÉVORA)
Federico Aulenta (IRSA-CNR, Italy)
Graça Brito (FCT/UNL)

Registration fees:	Before April 2, 2012	After April 2, 2012
Authors - Participants	25 €	35 €
Students	10 €	15 €