



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL

Risk management in civil engineering advanced course

2nd announcement

November 17-22, 2008

Fees

Fees include tuition material, participation certificate, lunches, coffee breaks, ice breaking reception, final dinner and a technical / tourist visit on Saturday, November 22.

	Early registration, before October 15, 2008	Late registration, after October 15, 2008
Participants	€ 1200	€ 1500
Students ⁽¹⁾	€ 750	€ 950

⁽¹⁾ Limited number of students discounts.

Registration information

To register please fulfill the form below and send it by post, fax or e-mail to the secretariat address. The registration is valid after payment confirmation. Payment can be done at the secretariat, sending a cheque (only for Portugal) made payable to FUNDCCIC, or through bank transfer:

NIB: 0018 0365 00200010582 22
IBAN: PT 50 0018 0365 00200010582 22
Swift code of the Bank: TOTAPTPL
Santander Bank Portugal
LARGO FREI HEITOR PINTO 7-A/B
P-1700-204 LISBON
Account holder: FUNDCCIC

Organizing Committee

Laura Caldeira
Maria Alzira Santos
Maria Luísa Sousa
Teresa Fonseca
Júlia Antunes

Secretariat and information

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AV DO BRASIL 101 | P-1700-066 LISBOA
phone: +351 21 844 34 83 | fax: +351 21 844 30 14
formacao@lnec.pt | cursos@lnec.pt
www.lnec-riskmanagement.org



Fundo para o Desenvolvimento
das Ciências da Construção

Concepção gráfica: Helder David

Risk management in civil engineering advanced course

title

name first name

affiliation

address

city and zip code state and country

phone fax

payment

cheque (only for Portugal)

cheque number name of bank

In the amount of € payable to "FUNDCCIC"

bank transfer

NIB: 0018 0365 00200010582 22

IBAN: PT 50 0018 0365 00200010582 22

Swift code of the Bank: TOTAPTPL

Account holder: FUNDCCIC

(a copy of the bank transfer should be attached to this form)

registration form

Risk management in civil engineering advanced course

Objectives

The main purpose of the Risk Management in Civil Engineering Advanced Course is to disseminate the knowledge on risk management applied to various fields of civil engineering, in order to promote the development of the Portuguese scientific and technologic research in the field.

The lecturers are renowned experts in different risk domains at the international level. The Course provides a forum for the academic and practice exchange of information and knowledge in civil engineering risk management.

The program focuses in three major areas:

1. Mathematical fundamentals of civil engineering risk management;
2. Risk management process applied to civil engineering, including risk identification, analysis, evaluation, perception and mitigation strategies;
3. Case studies on risk management applied to structures, transports, tunnels and coastal erosion.

Participants

The Course is wide open to scientific and technical community, especially to those who are involved in activities related to risk management applied to civil engineering field.

Fundamentals

Concepts

Risk management: an overview

Carlos Matias Ramos – LNEC, Portugal

Mathematical concepts applied to Civil Engineering risk management overview

Alfredo Campos Costa – LNEC, Portugal

Models

Methodologies for risk analysis and management

Desmond Hartford – British Columbia Hydropower Authority (BC Hydro), Canada

Risk management process

Identification and risk analysis in Civil Engineering

Risks induced by natural hazards

Earthquake risks

Geotechnical risks

Chris Clayton, Southampton University, UK

Floods and droughts risks

M. Michel Lang – Cemagref, Agricultural and environmental engineering research, France

Environmental risks

Assessing the risk of oil spills impacts using transport and fate models

Malcolm Spaulding – University of Rhode Island, USA

Surface water and groundwater pollution risks

Barry J. Lloyd – University of Surrey, UK

Soil contamination, mining environmental impact and waste landfills risks

Dominique Darmendrail – Bureau de Recherches Géologiques et Minières (BRGM), France

Other risks

Risk of fire in buildings

Robert W. Fitzgerald, Worcester – Polytechnic Institute, Massachusetts, USA

Risk evaluation and perception

Risks and insurance policies

José Luis Montull – Münchener Rück, Sucursal España y Portugal, S.A., Spain

Risk management in water and wastewater utilities

Simon Pollard – Cranfield University, UK

Risk perception and acceptance criteria

David S. Bowles – Utah State University, USA

Acceptance criteria applied to dams

David S. Bowles – Utah State University, USA

Risk management strategies

Risk prevention

Structural measures

Agostino Goretti – Protezione civile di Italia, Italy

Non-structural measures

Philip Berke – The University of North Carolina at Chapel Hill, USA

Emergency preparedness

Emergency preparedness

Nazaré Albuquerque – United Nations, USA

Emergency management

Agent based simulation

David Mendonça – New Jersey Technological Institute, USA

Emergency management

John Harrald – The George Washington University, USA

Case studies

Structures

Structural risk, part I

Structural risk, part II

Transportation

Transportation risks, part I & II

José Manuel Vassallo – Universidad Politécnica de Madrid, Spain

Tunnels

Risks in tunnels, part I

Risks in tunnels, part II

Coastal erosion and ports

Coastal erosion risks – beaches

Magnus Larson – Lund University, Sweden

Coastal erosion risks – cliffs

Mark Lee – UK

Risk assessment in ports

Antonio Ruiz Mateo and M^a Jesús Martín Soldevilla – Centro de Estudios y Experimentación de Obras Públicas (CEDEX), Spain