ANNOUNCEMENT

Flood Defences and Coastal Structures Seminar

Engineering Design and Management Challenges for 21st Century

Friday, 30 January, 2009

Pharmacy Building, UCC

Organised by the Hydraulics and Maritime Research Centre of University College Cork

Supported by the EU funded ENCORA Project

INTRODUCTION
The Hydraulics and Maritime Research Centre of University College Cork have organised a seminar that will address the challenges facing engineers/managers in the design and management of flood defence systems and coastal structures. This seminar will contain nine presentations that will deal with environmental loadings, catchment/river flooding events and coastal structures. It will be held on 30th January 2009 in the Pharmacy Building, UCC (see map) and you are invited to attend.

SEMINAR OBJECTIVE
The design and management methodologies for flood defence systems and coastal structures has developed considerably in recent years. Through monitoring, mapping and modelling there is now a greater understanding of basic system behaviour yet great uncertainty still exists as to the nature and magnitudes of environmental loadings.

The challenge now is to seek solutions that are both sustainable and cost effective in the long term whilst providing sufficient protection against extreme events. Already there has been a change in approach on how we design and manage our flood defences and coastal structures. It is therefore opportune that this seminar brings together a number of experts from Ireland, the UK and the Netherlands to discuss these latest developments and possible future trends.

WHO SHOULD ATTEND?
- Local Authority/Government Department Engineers
- Consulting and Contracting Engineers
- Coastal Managers, Environmentalists and Hydrologists

SEMINAR BOOKINGS AND COST
Places are limited and will be allocated on a first-come basis, pre-booking is essential using the registration form provided or by direct communication to the contact details provided below.

The cost of attendance at the seminar is €50 per person, and includes a seminar pack, refreshments and lunch. Invoices will be issued following receipt of registration forms requesting the reservation of a place. Payment to be made in advance or on the day of the seminar. Receipts will be issued on request.

Cheques should be made payable to:
University College Cork

REGISTRATION
To register, please complete the registration form (overleaf) and return to:

Cora Edwards
Hydraulics and Maritime Research Centre
Youngle Building
Pouladuff Road
University College Cork, Ireland

Telephone: (021) 425 0021
Fax: (021) 432 1003
Email: hmrc@ucc.ie
REGISTRATION FORM

Name: …………………………………………...
Job Title: ………………………………………
Organisation: ………………………………….
Address: ………………………………………..
Tel: ……..…..…………  Fax: .…….…………...
Email: …………………………………………..

SEMINAR PROGRAMME (Provisional)

9:00 REGISTRATION
9:30 Welcome –

SESSION 1: Environmental Loadings
Session Chair: Mr Gabriel Hynes Waterford County Council
9:45 Irelands Changing Rainfall Patterns
   Prof. Ger Kiely (Department of Civil and Environmental Engineering, UCC)
10:10 Storm Patterns and Sea Level Analysis
    , Prof Robert Devoy (Department of Geography UCC)
10:35 Future Climate Trends and Impacts
    Speaker to be confirmed
11:00 Discussion

SEMINAR PROGRAMME (Provisional)

11:10 Tea/Coffee

SESSION 2: Flood Defence Design and Management
Session Chair: Mr Kevin Murray, Atkins
11:30 Flood Defence Strategy in Ireland
   Speaker to be confirmed (OPW)
11:55 Design of Flood Defence Structures
   Mr. Mark Anderson (Atkins)
12:20 UK Flood Defence Design and Strategy
    Speaker to be confirmed
12:45 Discussion

SESSION 3: Coastal Structures
Session Chair: Dr. Jimmy Murphy,(HMRC, UCC)
14:30 Development of Irelands Coastal Protection Strategy
   Mr. Jim Casey (Department of Agriculture, Food and Fisheries)
14:55 Design Developments in Coastal Structures
   Dr. William Allsop (HR Wallingford)
15:20 Climate Proofing Coastal Structures
   Dr. Dirk-Jan Walstra (WL|Delft)
15:45 Discussion
16:00 Close followed by Tea/Coffee

ORGANISER
Hydraulics and Maritime Research Centre (HMRC)
The HMRC at University College Cork was established in 1979. It is a centre of excellence within Ireland for Coastal Engineering and Ocean Renewables, providing support to the maritime industry as well as fundamental R&D. The Centre, which is principally a dedicated research facility, also offers a teaching and education function. It houses the only facilities for wave simulation in Ireland with a Wave Flume and an Ocean Wave Basin.

ENCORA
The EU funded ENCORA project has been initiated to improve sharing of knowledge and experience within Europe. It organises a number of services enabling coastal professionals to take better advantage of existing knowledge resources in Europe, for tackling the challenges posed by the future to our coasts.