

## ANNOUNCEMENT

### Flood Defences and Coastal Structures Seminar

#### Engineering Design and Management Challenges for 21<sup>st</sup> 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 30<sup>th</sup> 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**  
**Youngline Building**  
**Pouladuff Road**  
**University College Cork,**  
**Ireland**

**Telephone:** (021) 425 0021  
**Fax:** (021) 432 1003  
**Email:** [hmrc@ucc.ie](mailto:hmrc@ucc.ie)

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## REGISTRATION FORM

**Name:** .....

**Job Title:** .....

**Organisation:** .....

**Address:** .....

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**Tel:** ..... **Fax:** .....

**Email:** .....

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## SEMINAR PROGRAMME (Provisional)

### 9:00 REGISTRATION

9:30 Welcome –

### SESSION 1: Environmental Loadings

Session Chair: Mr Gabriel Hynes Waterford County Council

09:45 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

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

### **13:00 LUNCH**

### 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*

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## 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.

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## 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

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