

## INVITATION

The Associazione Idrotecnica Italiana - sezione Calabria - invites all engineers, MSc students, Ph.D. students, scholars and specialists who have an interest in Coastal Engineering to attend the *International Short Course on Modelling of Coastal Processes*, which will be held at the Department for Soil Conservation at the University of Calabria - Cosenza - Italy. The closest airport is in Lamezia Terme (approx. 3/4 hour from Cosenza by bus connection).

## AIM

The principal aim of the Course is to give to the attendants a qualified information on the most recent advances on wave propagation and nearshore hydrodynamics modelling.

## VENUE AND REGISTRATION

The course will be held at University of Calabria, Italy. The registration fee is 280 euros and includes the Course attendance, the coffee breaks, the Welcome dinner and the technical visit. The registration fee for Students is 220 euros. Registrations must be sent not later than the 3rd May, 2005 to [shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it)

## HOTEL RESERVATION

Twenty persons can stay at the University owned three stars Hotel "Socrates". The price per night and per person in a double room is 20 euros without breakfast. For your reservation, send an e-mail to [shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it). Reservations can be also made at the three stars "Best Western Hotel Centrale" (approx. 50 euros per night for a single bedroom, breakfast included). Reservations must be sent not later than the 3rd May, 2005 to [shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it)

## Contacts

### Course secretaries

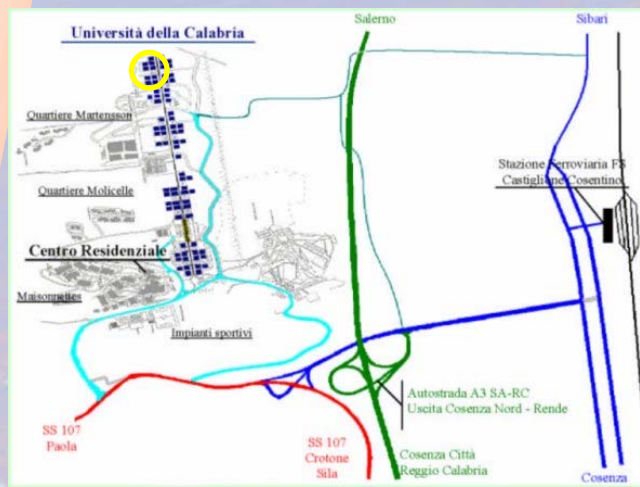
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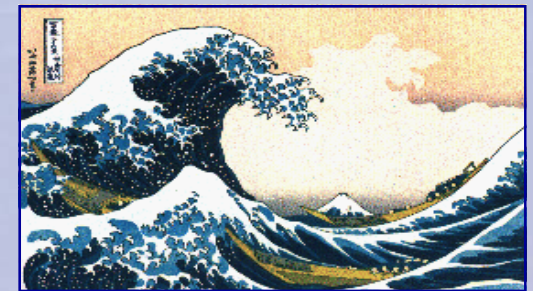
Department for Soil Conservation  
University of Calabria  
Ponte Bucci - cubi 41B e 42B  
87036 - Arcavacata di Rende (CS)  
[shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it)

## Location



Associazione Idrotecnica Calabria  
Sezione Calabria

## International Short Course on MODELLING OF COASTAL PROCESSES



UNIVERSITY OF CALABRIA  
ENGINEERING FACULTY  
DEPARTMENT FOR SOIL CONSERVATION

Cosenza—Italy

10-13 May, 2005



## International Short Course on Modelling of Coastal Processes

10 May 2005

9:30-10:00	<b>Opening</b>
10:00-10:15	<b>Welcome address</b> (Giuseppe Frega, Director of Department, University of Calabria)
10:15-10:30	Introduction of Participants
	<b>Session 1A: Wave Propagation Modelling</b> (Inigo Losada, University of Cantabria, Spain)
10:30-13:00	Overall view of the problem Depth integrated models
13:00-15:00	Lunch Break

### Session 1B: Wave Propagation Modelling (Inigo Losada, University of Cantabria, Spain)

15:00-16:40  
Reynolds Averaged Navier-Stokes Equations

17:00-20:30 **Visit to the Historical Sites of Cosenza**

20:30 **Welcome dinner**

11 May 2005

### Session 2A: Wave-structure interaction modelling (Inigo Losada, University of Cantabria, Spain)

9:00-10:40 Wave- structure interaction

10:40-11:00 Coffee Break

### Session 2A: Wave-structure interaction modelling (Inigo Losada, University of Cantabria, Spain)

11:00-12:40 Discussion of limitations and approximations  
Case Studies

12:40-14:30 Lunch break

14:30-19:00 Technical Visit to the Tyrrhenian coastline works

12 May 2005

### Session 3A: Numerical Simulation in Coastal Circulation (Francisco Sancho, LNEC, Portugal)

9:00-10:30 Nearshore wave induced circulation:  
time averaged models

10:30-10:50 Coffee Break

10:50-12:40 Nearshore wave induced circulation:  
time averaged models (SHORECIRC)

12:40-14:30 Lunch break

### Session 3B: Numerical Simulation in Coastal Circulation (Francisco Sancho, LNEC, Portugal)

14:30-16:40 Circulation models and coastal  
morphology (M-SHORECIRC)

16:40-16:55 Coffee Break

16:55-18:40 Circulation models and coastal  
morphology

13 May 2005

### Session 4A: Research on Low Crested Structures (Alessandro Mancinelli, Università Politecnica Marche)

9:15-10:30 Hydrodynamics at detached breakwaters:  
field and numerical investigations

10:30-10:45 Coffee Break

10:45-12:10 Hydrodynamics at detached breakwaters:  
field and numerical investigations

### Session 4B: Swash zone modelling (Giuseppe R. Tomasicchio, University of Calabria)

12:15-13:30 Friction factor at the swash zone

13:30 **Discussion and Closing**  
(Paolo Veltri, University of Calabria)

## REGISTRATION FORM

### International Short Course on MODELLING OF COASTAL PROCESSES

University of Calabria  
Department for Soil Conservation  
**10-13 May 2005**

First name \_\_\_\_\_

Family name \_\_\_\_\_

Organization \_\_\_\_\_

\_\_\_\_\_ Ph.D. student

Title \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Postal code \_\_\_\_\_

Country \_\_\_\_\_

E-mail \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

#### Please check as appropriate

I wish to stay at Socrates Hotel

I wish to stay at Best Western Hotel Centrale

Registration form must be sent by e-mail by the 3rd  
of May 2005 to [shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it)

#### Registration fee payment

Please, complete this form and forward with attached copy of the bank transfer (quote Shortcourse) to [shortcourse@dds.unical.it](mailto:shortcourse@dds.unical.it) by the 3rd May 2005. Payments must be in favour of

#### Centro Studi Acquadotti e Fognature

##### Bank information for National payments

Bank: CARIME - Agenzia 4, Rende (Cosenza)

CONTO: 000051000112 CIN: L

ABI: 03067 CAB: 80884

##### Bank information for International payments

Bank: CARIME - Agenzia 4, Rende (Cosenza)

IBAN: IT05 L030 6780 8840 0005 1000 112

BIC: CARMIT31696