

# Short course on Shore Protection Strategies

Marina di Massa, 17 - 20 September 2007

First announcement and preliminary program

The Gruppo Nazionale per la Ricerca sull'Ambiente Costiero (GNRAC), in collaboration with Rete Italiana per la Costa (RIC-ENCORA), Project OpTIMAL-BEACHMED-E (Optimisation des Techniques Intégrées de Monitoring Appliquées aux Littoraux), and Project IGCP-UNESCO 515 (Vulnerability and resilience assessment of coastal zone in Mediterranean and Black Sea areas related to the forecast sea level rise for management purposes), is organising a training event on

## Shore Protection Strategies

This short course, aimed at young researchers and technicians from the Public Administration, will illustrate several shore protection methods, with especial regard toward soft and innovative techniques that are applicable to the Mediterranean coasts.

The training will be held in English language, and will take place in Marina di Massa (Italy) from 17 to 20 September 2007. It will be articulated in both theoretical classes and field trips along the coast.

On 21 September 2007, there will be a national scientific meeting on the subject of innovative techniques for shore defence - an additional event to which participants of this course are welcome to attend.

### Preliminary program

Monday 17th	10:30 – 12:30	Round table: Traditional coastal defences: did they really fail?
	14:00 - 15:00	Shore protection design along the Mediterranean coasts
	15:00 - 16:00	Beach nourishment: inland vs. offshore borrow materials
	16:00 - 17:00	Beach nourishment: offshore sediment research techniques
	17:00 - 18:00	Dredging technologies
	18:00 - 19:00	Beach nourishment design
Tuesday 18th	9:00 - 10:00	Artificial gravel beaches
	10:00 - 11:00	Low-crested breakwaters
	11:00 - 12:00	Permeable groins: is this northern solution applicable to the Mediterranean coasts?
	12:00 - 13:00	Hard and soft shore protection: beach user expectancies
	14:00 - 15:00	Bidimensional physical models in shore protection planning
	15:00 - 16:00	Tridimensional physical models in shore protection planning
	16:00 - 17:00	Numerical models in shore protection planning
	17:00 – 18:00	Are the new coastal defence designs old?
	18:00 - 18:30	Field trip (I) presentation
Wednesday 19th	8:30 - 13:00	Field trip (I): Monte Marcello - Fiumaretta Marinella di Sarzana - Marina di Carrara - Marina di Massa - Marina di Ronchi
	15:00 - 16:00	Drained beaches
	16:00 - 17:00	Coastal dune dynamics and protection
	17:00 - 18:00	Rehabilitation/convertng of old coastal defences
	18:00 - 18:30	Field trip (II) presentation
Thursday 20th	8:30 - 13:00	Field trip (II): San Rossore Regional Park - Marina di Pisa - Tirrenia - Calambrone
	15:00 - 16:00	Unconventional shore protection designs
	16:00 - 17:00	Gaining beach and losing ...what?
	17:00 - 18:00	Safety problems in protected beaches – warning systems
	18:00 - 19:00	Shore protection works: cost/benefit analysis
Friday 21st	9:00 - 18:00	WORKSHOP: INNOVATIVE SHORE PROTECTION STRATEGIES

Teaching staff will be formed by national and international professionals with long experience in shore protection design and in coastal zone management. Only 30 participants will be admitted and a broad international attendance will be favoured.

Registration fee is € 1.000,00, including full-board accommodation in double room, field trips and social events.

The annexed pre-registration form must be received until April, 30<sup>th</sup>

# Short course on Shore Protection Strategies

Pre-registration form



Northern view from the venue.



Southern view from the venue.

I'm interested in attending the Short course on Shore Protection Strategies and I would like to receive the final program and the instructions for registration fee payment.

Given name		Family name		Title	
Institution					
Position					
Address					
				Country	
Email:	Phone		Fax		

Fill in, copy and paste the table above into a new Word document and send it as attached file to [epranzini@unifi.it](mailto:epranzini@unifi.it)