

SHORT COURSE ON SHORE PROTECTION STRATEGIES

The Italian network RIC co-organized a Course on Shore Protection Strategies that took place in Marina di Massa (Italy), see Figure1, from 17 to 20 September 2007. The course was articulated in both theoretical classes and field trips along the Tuscany coast.

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



Figure 1: Left - Northern view from the venue; Right - Southern view from the venue.

Teaching staff (listed in Table 1) was formed by national and international professionals with long experience in shore protection design and in coastal zone management:

Table 1. Names, institutions and titles of lectures of the teaching staff.

	Name	Surname	Institution	Title of lecture
1	AMINTI	Pierluigi	University of Florence, Italy	Rehabilitation/converting of old coastal defences
2	CAPPIETTI	Lorenzo	University of Florence, Italy	Modelling of waves and currents in coastal areas
3	CHIOCCI	Francesco	University of Rome "La Sapienza", Italy	Beach nourishment: offshore sediment research techniques
4	DAMIANI	Leonardo	University of Bari, Italy	Drained beaches
5	FRANCO	Leopoldo	University of Rome "Tre", Italy	Unconventional shore protection designs
6	KAISER	Mona	University of Qatar, Qatar	Optimizing coastal defences through the use of numerical models
7	KRAUS	Nicholas C.	Coastal & Hydraulics Laboratory, USA	Are the new coastal defence designs old?
8	LAMBERTI	Alberto	University of Bologna, Italy	Low-crested breakwaters: wave induced currents and morphological response
9	LA MONICA	Giovanni B.	University of Rome "La Sapienza", Italy	Beach nourishment: inland vs. offshore borrow materials
10	NOLI	Alberto		
11	NORDSTROM	Karl	Rutgers University; USA	Coastal dune dynamics and protection Gaining beach and losing....what?
12	OUMERACI	Hocine	Leichtweiss Inst. Fur Wasserbau, Germany	Geotextile in coastal protection with particular focus on hydraulic stability
13	PETRILLO	Antonio	University of Bari, Italy	Three-dimensional physical models in shore protection planning
14	PRANZINI	Enzo	University of Florence, Italy	Artificial gravel beaches
15	RUOL	Piero	University of Padova, Italy	Beach nourishment design
16	SANCHEZ-ARCILLA	Agustin	University of Catalunya, Spain	Low-crested breakwaters. Functional design
17	SHERMAN	Doug	University of Southern California, USA	Non-traditional approaches to shore protection in low-energy environments
18	SIMEONI	Umberto		

19	STANICA	Adrian	National Institute of Marine Geology and Geo-ecology, Romania	Shore protection structures: cost/benefit analysis
20	VENZI	Lorenzo	University of Tuscia, Italy	Beach nourishment: cost/benefit analysis
21	WILLIAMS	Allan	Swansea Institute, Wales	Hard and soft shore protection: beach user expectancies Safety problems in protected beaches - warning systems

In total 39 students (listed in Table 2) attended the course (see Figure 2), two of them, Agata Slimak from the Institute of Oceanography University of Gdańsk (Poland) and Ioannis Avgeris from Aristotle University of Thessaloniki (Greece) participated as YPEP students.



Figure 2. Pictures of students during a lesson.

Table 2. Names and email addresses of the students.

	Name	Surname	Email address
1	AVGERIS	Ioannis	iavgeris@civil.auth.gr
2	BALDUZZI	Ileana	atlante@dipteris.unige.it
3	BRACCI	Giovanni	g.bracci@provincia.pisa.it
4	BRUNET	Miquel	miquelbrunet@hotmail.com
5	BRUSCHI	Antonello	antonello.bruschi@apat.it
6	BRUSCHI	Giuseppe	gbruschi@comune.carrara.ms.it
7	CAPPUCCI	Sergio	s.cappucci@icram.org
8	CARLI	Andrea	a.carli@provincia.pisa.it
9	CASAROSA	Nicola	casarosa@dst.unipi.it
10	CHAABOUNI	Ridha	r.chaabouni@seacnvs.com.tn
11	CIPRIANI	Luigi Enrico	luigi.cipriani@regione.toscana.it
12	CORBAU	Corinne	cbc@unife.it

13	CUSATI	Nicola	cusati82@hotmail.it
14	D'ELISO	Claudia	cldelis@dicea.unifi.it
15	DE NIGRIS	Nunzio	ndenigris@arpa.emr.it
16	DESSY	Claudia	claudia.dessy@dipteris.unige.it
17	FERRI	Serena	serena.ferri@unifi.it
18	GRASSO	Florent	florent.grasso@hmg.inpg.fr
19	KOURIS	Michael	m.kouris@impresasarti.com
20	LAMI	Gabriele	glami@comune.follonica.gr.it
21	LOPEZ	Raquel	raquel.lopezgonzalez@alum.uca.es
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27	MORI	Enrica	enrica.mori@dicea.unifi.it
28	PELLICCIA	Filippo	fpelliccia@geocoste.com
29	ROSAS	Valentina	valentina.rosas@unifi.it
30	SCHIAFFINO	Chiara Francesca	chiaraschiaffino79@yahoo.it
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32	SILVESTRO	Massimiliano	msilvestro@artasicilia.it
33	SIMONETTI	Daniela	danielasimonetti29@yahoo.com
34	SINAPI	Laura	laura.sinapi@apat.it
35	SLIMAK	Agata	slimak@ocean.univ.gda.pl
36	TONDELLO	Massimo	massimo.tondello@hydrosoil.com
37	VICINI	Chiara	chiara.vicini@apat.it
38	VITALE	Giovanni	giovanni.vitale@unifi.it
39	ZERVOS	Stelios	szervos@pwd.mcw.gov.cy

Two field trips have been organized during the course, see Figure 3.

During the first excursion, students visited: Mt. Marcello - Marinella di Sarzana - Marina di Carrara - Marina di Massa - Marina di Ronchi.

During the second tour, students visited: San Rossore Regional Park - Marina di Pisa - Tirrenia – Calambrone.





Figure 3. Pictures of students and technical staff during field trips.

At the end of the course, the 21 September, the “INNOVATIVE SHORE PROTECTIONS STRATEGIES” Workshop was organized and all the staff and students were invited to participate.