

# Nonlinear Processes in Marine Sciences

Hageri, October 12-19, 2003

	Saturday 11th	Sunday 12th	Monday 13th	Tuesday 14th	Wednesday 15th	Thursday 16th	Friday 17th	Saturday 18th	Sunday 19th
8-9 Breakfast									
<b>9:30-11:15 Lecture I</b>	Arrival	Provenzale	Grimshaw	Excursion	Bracco	Zilitinkevich	Günther	Departure	
11:15 Coffee									
<b>11:30-13:15 Lecture II</b>		Buch	Provenzale		Günther	Günther	Zilitinkevich		
13:30 Lunch									
13:30 Lunch		14:30 Opening							
<b>15:00-16:45 Lecture III</b>	Arrival	Einasto	Grimshaw	Bracco	Soomere Peterson	Zilitinkevich	Bracco		
16:45 Coffee									
<b>17:00-18:45 Lecture IV</b>		Grimshaw	Provenzale	Elken Salupere	Students' seminar	Kokorina Kalda	Soomere	Students' presentations	
19:00 Dinner		Welcome dinner			Students' seminar			Closing Farewell dinner	

<b>Special Lecture</b>		
<b>Jaan Einasto</b>	Tõravere Observatory	The structure of the Universe
<b>Key lecture courses</b>		
<b>Roger Grimshaw</b>	<b>Loughborough</b>	Internal solitary waves in the coastal oceans
<b>Heinz Günther</b>	<b>Geesthacht</b>	Contemporary wind wave modelling and measurement techniques
<b>Antonello Provenzale</b>	<b>Turin/Genoa</b>	Lagrangian transport in geophysical flows
<b>Annalisa Bracco</b>	<b>Trieste</b>	Vortex dynamics and interactions of planktonic ecosystems and marine circulation
<b>Sergej Zilitinkevich</b>	<b>Uppsala</b>	Geophysical turbulent boundary layers
<b>Supplementary lectures and presentations</b>		
<b>Erik Buch</b>	<b>Danish Meteorological Institute</b>	Operational oceanography in the Baltic Sea area
<b>Pearu Peterson</b>	<b>Tallinn, Institute of Cybernetics</b>	Soliton interactions and interaction solitons
<b>Andrus Salupere</b>	<b>Tallinn, Institute of Cybernetics</b>	Long-living patterns of KdV solitons
<b>Anna Kokorina</b>	<b>Nizhny Novgorod, Inst. of Applied Physics</b>	Long surface waves and rogue waves
<b>Jaan Kalda</b>	<b>Tallinn, Institute of Cybernetics</b>	Introduction to stochastic diffusion
<b>Jüri Elken</b>	<b>Tallinn, Marine Systems Institute</b>	Baltic marine environment and nonlinear processes
<b>Tarmo Soomere</b>	<b>Tallinn, Marine Systems Institute</b>	Introduction to the kinetic theory of weakly nonlinear waves Fast ferries as a new key forcing component in the Baltic Sea

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