

NONLINEAR HYPERBOLIC PDEs, DISPERSIVE AND TRANSPORT EQUATIONS: ANALYSIS AND CONTROL

SISSA, Trieste – Week from July 4th to July 8th, 2011

PROGRAM

The lectures and the talks will take place in the **Room no. 133** at the first floor of the **SISSA building**, located in Via Bonomea, 265, Trieste.

Courses:

- **Zhouping Xin:** *Some topics in compressible Navier-Stokes system.*
- **Gigliola Staffilani:** *Dispersive equations and their importance in mathematics.*

Seminars:

- **Maria Giovanna Mora:** *The geometric rigidity estimate and nonlinear elasticity of thin bodies.*
- **Vedran Sohinger:** *Bounds on the growth of high Sobolev norms of solutions to the 2D periodic cubic NLS.*
- **Jacques Tort:** *Inverse Problems for some climate models.*
- **Chunjing Xie:** *Asymptotic behavior of massless Dirac waves in Schwarzschild geometry.*

	Monday - 4
13:50 -- 14:20	Registration
14:20 -- 14:30	Opening
14:30 -- 15:20	Zhouping Xin
15:30 -- 15:50	Coffee Break
15:50 -- 16:40	Zhouping Xin

	Tuesday - 5
9:30 -- 10:20	Gigliola Staffilani
10:30 -- 11:20	Gigliola Staffilani
11:30 -- 14:30	Lunch Break
14:30 -- 15:20	Zhouping Xin
15:30 -- 15:50	Coffee Break
15:50 -- 16:40	Zhouping Xin

	Wednesday - 6
9:00 -- 9:40	Vedran Sohinger
9:50 -- 10:10	Coffee Break
10:10 -- 10:50	Maria Giovanna Mora
11:00 -- 14:30	Lunch Break
14:30 -- 15:10	Jacques Tort
15:20 -- 15:40	Coffee Break
15:40 -- 16:20	Chunjing Xie

	Thursday - 7
9:30 -- 10:20	Zhouping Xin
10:30 -- 11:20	Zhouping Xin
11:30 -- 14:30	Lunch Break
14:30 -- 15:20	Gigliola Staffilani
15:30 -- 15:50	Coffee Break
15:50 -- 16:40	Gigliola Staffilani

	Friday - 8
9:30 -- 10:20	Gigliola Staffilani
10:30 -- 11:20	Gigliola Staffilani
11:30 -- 11:40	Closing