Program: Workshop Nonlinear PDE
Pisa, 1-2 august 2013

Thursday 1 august (Aula Magna, Department Mathematics)

9:00 -9:10 (opening)
9:10-9:50 Hideo Kozono: On Leray's problem of D-solutions of the stationary Navier-Stokes equations past an obstacle.
9:50-10:30 Takayuki Kobayashi: L^2 boundedness of the solutions to the 2D heat equations and the 2D Navier-Stokes equations.
10:30-10:45 coffee break
10:45-11:25 Senjo Shimizu: Qualitative behavior of incompressible two-phase flows with phase transitions
11:25 -12:05 Hiroyuki Takamura: Positive solutions of high dimensional wave equations with non-zero data.

14:10-14:50 Yuki Kurokawa: On some systems of semilinear wave equations
14:50-15:30 Nicola Visciglia: Long time behavior of the Benjamin-Ono equation
15:30-16:10 Jens Wirth: Embedded eigenvalues for an elastic strip with cracks
16.10-16:30 coffee break
16:30-17:10 Sandra Lucente: Nonlinear wave equations with time-dependent coefficients
17:10-17:50 Marcello D'Abbicco: Structurally damped semilinear wave equations

Friday 2 august(Aula Magna, Dipt. Mathematics)

9:00 -9:40 Kiyoshi Mochizuki: On uniform resolvent estimates for 2-dimensional exterior magnetic Schrödinger operators.
9:40-10:20 Tohru Ozawa: Mass resonance in a system of nonlinear Schrödinger equations.
10:20-10:40 coffee break
10:40-11:20 Neal Bez: Space-time estimates for transport equations via geometric inequalities
11:20 -12:00 Luca Fanelli: Time decay of scaling critical electromagnetic Schrödinger operators
14:10-14:50 Damiano Foschi: Minimal smoothness assumptions on the nonlinearity for local wellposedness of semilinear Schrödinger equations
14:50-15:30 Marina Ghisi: The damped Kirchhoff equations: global solutions and asymptotic behavior
15:30-16:10 Massimo Gobbino: Smoothing effects for linear hyperbolic equations with strong dissipation.
16.10-16:30 coffee break
16:30-17:10 Mirko Tarulli: The nonlinear Schrödinger equation on R^n x T.
17:10-17:50 George Venkov:TBA