



Session 11

Nonlinear PDE

August 05 / 2013, Room 318N

14:30 -16:30 (each talk 30 minutes)

14:30-15:00 Jens Wirth: Dispersive estimates for Fourier integrals and applications to hyperbolic systems

15:00-15:30 Neal Bez: Maximisers for Sobolev-Strichartz and $X^{s,b}$ estimates for the free Schrödinger propagator

15:30-16:00 Piero D'Ancona: On the Helmholtz equation on exterior domains

16.30-18:00 (each talk 30 minutes)

16:30-17:00 Tsukasa Iwabuchi: Ill-posedness for the Schrödinger equations in one and two space dimensions

17-17:30 Ingo Witt: The principal symbol map for paired Lagrangian distributions

17:30-18:00 Evgeny Galakhov and Olga Salieva: Blow-up for some differential inequalities

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Tuesday afternoon 14:30 - 16:30 (each talk 30 minutes)

14:30-15:00 Kiyoshi Mochizuki: Spectral and scattering problems on star-shaped graphs with nontrivial compact parts

15:00-15:30 Hideo Kozono: Leray's problem on SDD -solutions to the stationary Navier-Stokes equations past an obstacle

15:30-16:00 Marina Ghisi: The singular perturbation problem for Kirchhoff equations

16:00 - 16:30 Massimo Gobbino: Optimal decay estimates for semi-linear parabolic and hyperbolic equations

17.00-18:30 (each talk 30 minutes)

17:00-17:30 Lukasz T. Stepień: On some solutions of certain versions of the models: "sigma" and baby Skyrme ones

17:30-18:00 Zhanat Zhunussova: Nonlinear PDE as Immersions

18:00-18:30 George Venkov: Minimization of Hartree type functionals



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Thursday morning

12:10-13:10 (each talk 30 minutes)

12:10 - 12:40 Sergio Spagnolo: On the local uniqueness for weakly hyperbolic equations

12:40-13:10 Takayuki Kobayashi: L^2 boundedness of solutions to the 2D exterior problems for the semilinear heat and dissipative wave equations

Thursday afternoon

14:30 -15:30 (each talk 30 minutes)

14:30-15:00 Hiroyuki Takamura: Global existence for semilinear wave equations with the blow-up term in high dimensions

15:00-15:30 Hideo Takaoka: Almost sure global well-posedness for the periodic derivative NLS

16:00-18:00 (each talk 30 minutes)

16:00-16:30 Lutz Recke: Hopf bifurcation for dissipative first-order hyperbolic systems

16:30-17:00 Michael Reissig: Semi-linear damped waves

17:00-17:30 Tim Candy: The Chern-Simons-Dirac equations in the Coulomb Gauge

17:30-18:00 Vladimir Georgiev: On continuity of the solution map for the cubic 1d periodic half - wave equation