

EQUATIONS D'ÉVOLUTION NON-LINÉAIRES DISPERSIVES
CENTRE INTERNATIONAL DE RENCONTRES MATHÉMATIQUES

LUMINY, 28 JUIN-2 JUILLET 2010
PROGRAMME DE LA RENCONTRE

MONDAY

9h00–9h50 THOMAS KAPPELER (Universität Zurich): **On the asymptotics of normal coordinates for KdV**

10h00–10h50 MIHAI MARIŞ (Université Paul Sabatier, Toulouse): **Some results and open problems concerning nonlinear Schrödinger equations with nonzero conditions at infinity**

10h50–11h20 Coffee break

11h20–12h10 DAVID DOS SANTOS FERREIRA (Université Paris 13): **Stability estimates in inverse problems related to evolution equations in anisotropic media**

12h30 Lunch

17h–17h50 PIERRE GERMAIN (Courant Institute, New-York University): **Global existence for Klein-Gordon equations with different velocities**

18h–18h50 CAMILLE LAURENT (Université Paris-Sud 11): **On stabilization and control for the critical Klein-Gordon equation on a 3-D compact manifold**

19h30 Diner

TUESDAY

9h00–9h50 MICHAEL CHRIST (University of California, Berkeley): **Existence of extremals for a Fourier restriction inequality**

10h00–10h50 CHRIS SOGGE (Johns Hopkins University): **Remarks on dispersive properties of eigenfunctions**

10h50–11h20 Coffee break

11h20–12h10 VALERIA BANICA (Université d'Évry): **Scattering for a 1D inhomogeneous NLS and applications**

12h30 Lunch

16h30–17h20

17h–17h50 FRANÇOIS CASTELLA (Université de Rennes 1): **To be announced**

18h–18h50 LAURENT THOMANN (Université de Nantes): **KAM for the NLS with harmonic potential**

19h30 Diner

WEDNESDAY

9h00–9h50 JEAN-CLAUDE SAUT (Université Paris-Sud 11): **The Cauchy problem for KP equations on the background of a nonlocal solution**

10h00–10h50 NICOLAY TZVETKOV (Université de Cergy-Pontoise): **Stability of the line soliton of the KP-II equation under periodic transverse perturbations**

10h50–11h20 Coffee break

11h20–12h10

ALEXANDER IONESCU (University of Wisconsin): **On large-data defocusing dispersive equations in curved spaces**

12h30 Lunch

19h30 Diner

THURSDAY

9h00–9h50 HERBERT KOCH (Universität Bonn): **Scattering and wave operators at the soliton for quartic KdV**

10h00–10h50 YVAN MARTEL (Université de Versailles): **Inelastic interaction of nearly equal solitons for the quartic gKdV equation**

10h50–11h20 Coffee break

11h20–12h10 NICOLÀ VISCIGLIA (Università di Pisa): **Remarks on the construction of invariant measure for KdV and Benjamin-Ono equation**

12h30 Lunch

17h-17h50 PIERRE RAPHAËL (Université Paul Sabatier, Toulouse): **Blow up dynamics for energy critical wave equations**

18h-18h50 JÉRÉMIE SZEFTTEL (École normale supérieure et CNRS): **Existence and Uniqueness of Minimal Blow up Solutions to an Inhomogeneous Mass Critical NLS**

19h30 Diner

FRIDAY

9h00–9h50

PATRICK GÉRARD (Université Paris-Sud 11 et Institut Universitaire de France): **Quasi periodic solutions of the cubic Szegő equation**

10h00–10h50 ION BEJENARU (University of Chicago): **Near soliton evolution in 2D Schrödinger Maps**

10h50–11h20 Coffee break

11h20–12h10 RÉMI CARLES (Université de Montpellier et CNRS): **Nonlinear coherent states and Ehrenfest time for Schrodinger equation**

12h30 Lunch