Schrödinger equations and applications
CIRM June 16-20th 2014

Monday, June 16th

- **14h00–14h45** Jean-Claude Saut: *Around Davey-Stewartson type systems.*

- **15h00–15h45** Caroline Obrecht: *On local well-posedness for the full dispersion Benney-Roskes system.*

- **15h45–16h15** Coffee break

- **16h15–17h15** Thomas Duyckaerts: *Profiles for bounded solutions of nonlinear dispersive equations.*

- **17h30–18h30** Philippe Gravejat: *Asymptotic stability of solitons for the Gross-Pitaevskii equation.*

Tuesday, June 17th

- **9h30–10h15** Susana Gutierrez: *Self-similar solutions of the one-dimensional Landau-Lifshitz-Gilbert equation.*

- **10h20–11h05** Taoufik Hmidi: *On the rotating patches for active scalar equations.*

- **11h05–11h30** Coffee break

- **11h30–12h30** Francisco de la Hoz: *The Evolution of the Local Induction Approximation for a Regular Polygon.*

Wednesday, June 18th

- **9h30–10h15** Rémi Carles: *Scattering for nonlinear Schrödinger equation under partial harmonic confinement.*

- **10h20–11h05** André de Laire: *Stability in the energy space for chains of solitons of the Landau-Lifshitz equation.*

- **11h05–11h30** Coffee break

- **11h30–12h30** Pierre Raphaël: *Energy super critical blow up.*

Thursday, June 19th

- **9h30–10h15** Imène Hachicha: *Hyperbolic approximations of Navier-Stokes equations.*

- **10h20–11h05** Anne-Sophie de Suzzoni: *Invariant measures and Schrödinger equations.*

- **11h05–11h30** Coffee break

- **11h30–12h30** Pierre Germain: *Big box limit for NLS: deterministic and randomized settings.*

- **17h00–17h45** Benoît Pausader: *The cubic nonlinear Schrodinger equation on $\mathbb{R} \times \mathbb{T}^2$.*

- **18h00–19h00** Claudio Muñoz: *Asymptotic stability of KdV-NLS type solitons in several dimensions*

Friday, June 20th

- **09h00-10h00** Frédéric Rousset: *Long wave limits for Schrödinger maps.*

- **10h00–10h30** Coffee break

- **10h30–11h30** Sahbi Keraani: *On the inviscid limit for a 2D incompressible fluid.*