

# **GE2MI conference on PDE's, Control Theory and Related Topics**

From September 20 to September 23, 2018

**Organizers: Oana Ivanovici, Gilles Lebeau, Pedro Freitas, Teresa Monteiro Fernandes**

## **PROGRAM**

### **THUESDAY, 20/09/2018**

9h15 – 9h45 Opening by Gilles Lebeau

9h45 – 10h45 A. Monvel: The 1D focusing NLS equation- long-time dynamics of step-like oscillating data

10h45 – 11h30 **COFFEE-BREAK**

11h30 – 12h30 M. Puel: Fractional diffusion for the Fokker Planck equation with heavy tail equilibria

### **LUNCH**

14h00 – 17h00 DISCUSSIONS

17h00 – 18h00 A. Koenig: (Non) Null Controllability of the Fractional Heat Equation and of Related Equations

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### **FRIDAY, 21/09/2018**

9h00 – 10h00 I.Moyano: Stability estimates in Wasserstein distance for some kinetic equations

10h00 – 11h00 F.Marbach: Quadratic behaviour for the small-time local controllability of scalar-input equations

11h00 – 11h30 **COFFEE-BREAK**

11h30 – 12h30 K.Beauchard: Null controllability of hypoelliptic equations

### **LUNCH**

14h00 – 17h00 DISCUSSIONS

17h00 – 18h00 R.Lascar: Dispersive Estimates for waves in a general strictly convex domain

**SATURDAY, 22/09/2018**

9 : 00 – 10 : 10 F. Planchon: Strichartz estimates for the wave equation in strictly convex domains

10 : 00 – 11 : 00 S.Correia : TBA

11 : 00 – 11 : 30 **COFFEE-BREAK**

11 : 30 – 12 : 30 C.Sun: Stabilization of KP-II equation

**LUNCH**

14 : 00 – 17 : 00 DISCUSSIONS

17 : 00 – 18 : 00 H.Tavares: Some aspects about weakly coupled elliptic systems

20 : 00 **SOCIAL DINNER**

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**SUNDAY, 23/09/2018**

9 : 00 – 10 : 00 N.Tzvetkov: On the transport of Gaussian measures under the flow of Hamiltonian PDE

10 : 00 – 11 : 00 P.Lissy: Approximation of some control problems by finite-difference method

11 : 00 – 11 : 30 **COFFEE-BREAK**

11 : 30 – 12 : 30 J.P.Dias: Ginzburg-Landau equation with a quasilinear conservation law

**LUNCH**

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