Joint Research Program on Nonlinear PDE's
Università di Firenze and Tohoku University
DIMAI – Dipartimento di Matematica e Informatica "U. Dini"
Università di Firenze, March 3-7, 2014

Calendar of Activities

March 3-7: Poster Session (Second Floor)

March 4: Tutorial Class (Room 5, Second Floor)

10:40-12:30 R. Magnanini, *Time-invariant level surfaces, surfaces parallel to the boundary and symmetry.*

March 5: Tutorial Class (Room 8, First Floor)

10:40-12:30 P. Salani, *Convexity and Minkowski combinations of solutions to PDE's.*

March 7: Mini-Workshop (Conference Room "F. Tricerri", First Floor)

09:50-10:00 Welcome

10:00-10:30 N. Ioku (Ehime University/Università di Firenze), *Sharp constants of Hardy inequalities for a mean oscillation.*

10:35-11:05 G. Ciraolo (Università di Palermo), *Solutions of elliptic equations with a level surface parallel to the boundary: stability of the radial configuration.*

11:05-11:30 Coffee Break

11:30-12:00 C. Bianchini (Università di Firenze), A torsion problem with non-constant boundary data.

12:05-12:35 Y. Fujishima (Osaka University), *Stability for parabolic quasiminimizers.*

Lunch

14:30-15:00 D. Ghilli (Università di Padova), *Stability results for Urysohn's inequalities involving elliptic operators.*

15:05-15:35 S. Okabe (Tohoku University), *Regularity of solutions to the obstacle problem for the parabolic biharmonic equation.*

15:35-16:00 Coffe Break

16:00-16:30 K. Uriya (Tohoku University), *Final state problem for a quadratic nonlinear Schrödinger system in two dimensions.*

16:35-17:05 M. Marini (Scuola Normale Superiore Pisa) *Characterization of ellipsoids as K-dense sets.*