



School on Nonlinear Elliptic Problems

within the GNAMPA Project 2013

Problemi nonlocali di tipo laplaciano frazionario

Nonlinear PDEs can be used to describe a wide variety of phenomena arising in different contexts such as geometry, physics, mechanics, engineering and, more recently, life sciences, just to name a few.

The aim of the school is to present some recent results and future trends on Nonlinear Elliptic Problems and their applications, by leading together experts in this field.

The courses organized within the school are addressed to Ph.D. students as well as Post-Doctoral and active researchers interested mostly in Nonlinear Analysis, Partial Differential Equations and their many applications.

Courses

"The influence of fractional diffusion in Allen-Cahn and KPP type equations"

Xavier Cabré, ICREA and Universitat Politècnica de Catalunya, Barcelona (Spain)

"On higher order p-Kirchhoff problems"

Patrizia Pucci, Università di Perugia, Perugia (Italy)

"Geometric aspects in competition-diffusion problems"

Susanna Terracini, Università di Torino, Torino (Italy)

Organizers: Giovanni Molica Bisci, Simone Secchi and Raffaella Servadei

Supported by:

Dipartimento di Matematica e Applicazioni, Università di Milano 'Bicocca'
Università 'Mediterranea' di Reggio Calabria

GNAMPA (Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni)
ERC Project EPSILON (Elliptic Pde's and Symmetry of Interfaces and Layers for Odd Nonlinearities)

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Dipartimento di Matematica e Applicazioni
Università di Milano 'Bicocca'

MILANO