IMI one-day workshop on PDEs

Facultad de Cc. Matemáticas
Universidad Complutense
de Madrid

18 January 2019

09.30 — **Aníbal Rodríguez -Bernal (UCM)**
Nonlinear-like behavior of solutions of the linear heat equation in R^N

10.30 — **Jose Luis Rodrigo (U. Warwick)**
Results motivated by the study of the evolution of isolated vortex lines for 3D Euler

11.30 — Coffee Break

11.45 — **Nicola Abatangelo (U. Zurich)**
Between the Laplacian and the bilaplacian: the case of higher-order fractional Laplacians

12.45 — **David Gómez-Castro (UCM)**
The fractional Schrödinger equation with singular potential

13.45 — Lunch

16.00 — **Félix del Teso (BCAM)**
On numerical approximations of the spectral fractional Laplacian via the method of semigroups

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Organized and funded by I.M.I.
Organizing Comittee:
Jesús Ildefonso Díaz (UCM)
Juan Luis Vázquez (UAM and UCM)

Instituto de Matemática Interdisciplinar