



WORKSHOP

A Nonlocal PDEs Day

at *Departamento de Matemáticas UAM*

*On Tuesday December 10th, 2015, at 10:15
in Room 520 of the Departamento de Matemáticas*

Main Speakers

Gabriele Grillo (Politec. Milan, Italy)

Espen Jakobsen (Univ. Thronheim, Norway)

Arturo de Pablo (UC3M, Madrid, Spain)

José Luis Torrea (UAM, Madrid, Spain)

Bruno Volzone (Univ. Naples, Italy)

Speakers

Jørgen Endal (Univ. Thronheim, Norway)

Diana Stan (UAM, Madrid, Spain)

Organizers

Matteo Bonforte and Fernando Quirós (UAM, Madrid, Spain)

Sponsors

This activity has been partially supported by the Spanish projects
MTM2014-52240-P, MTM2014-53037-P, and UAM.



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Programme

- 10:15-10:30: Opening: Juan Luis Vázquez (UAM, Madrid, Spain)
- 10:30-11:15: José Luis Torrea (UAM, Madrid, Spain)
“Discrete and time fractional nonlocal equations”
- 11:15-11:45: Coffee break
- 11:45-12:30: Espen Jakobsen (Univ. Thronnheim, Norway)
“On non-local quasi-linear PDEs and their local limits”
- 12:30-13:00: Diana Stan (UAM, Madrid, Spain)
“The Fisher-KPP equation with nonlinear fractional diffusion”
- 13:00-14:15: Lunch
- 14:15-15:00: Bruno Volzone (Univ. Naples, Italy)
“A review of symmetrization methods for nonlocal PDEs”
- 15:00-15:45: Arturo de Pablo (UC3M, Madrid, Spain)
“Nonlocal filtration equations with rough kernels”
- 15:45-16:00: Break
- 16:00-16:45: Gabriele Grillo (Politec. Milan, Italy)
“On some weighted fractional porous media equations”
- 16:45-17:15: Jørgen Endal (Univ. Thronnheim, Norway)
“On the duality between Hamilton-Jacobi-Bellmann and convection-diffusion equations”

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