

PLANNED SCHEDULE

Wednesday February 6

11:30 Arrival and Opening Ceremony

12:00 Lecture

G. Zaslavsky . Courant Institute, New York University, New York, USA.

"Origin of fractional dynamics in systems with long-range memory and interaction".

12:50 Lecture

J.I. Díaz. Universidad Complutense de Madrid, Spain.

"Global controls to stabilize the chemical turbulence: a non local complex Ginzburg-Landau equation".

13:40 Lunch

15:10 Lecture

J. M. Mazón. Universitat de Valencia, Spain.

"The limit as $p \rightarrow \infty$ in a nonlocal p -Laplacian evolution equation. A non local approximation of a model for sandpiles"

16:00 Lecture

R. Vilela Mendes. Technical University Lisbon, Portugal.

"Stochastic solutions of nonlinear partial differential equations "

16:50 Coffee Break

17:30 Communication

T. Pierantozzi. Universidad Complutense de Madrid, Spain.

"On the finite time extinction phenomenon for some nonlinear fractional evolution equations".

18:00 Communication

N. Alibaud. Institut de Mathématiques et de Modélisation de Montpellier, France.

"A non-local perturbation of first order Hamilton-Jacobi equations with unbounded data"

Thursday February 7

10:30 Lecture

Yifa Tang. Academy of Mathematics & Systems Science, Chinese Academy of Sciences, China, and UCM, Spain.

"Symmetric Hamiltonian Algorithms with Application to Nonlinear Schrödinger System"

11:20 Coffee Break

12:00 Lecture

S. Bonaccorsi. Università di Trento, Italia.

"Volterra integro-differential equations with completely monotone kernels."

12:50 Lecture

H. Gómez Díaz. Universidad de A Coruña, Spain, and University of Texas at Austin, USA.
"Non-local phase-field models in science and engineering: from the Cahn-Hilliard equation to strain-gradient hyperelasticity "

13:40 Lunch

15:10 Lecture

S. F. Padial. Universidad Politécnica de Madrid, Spain.
"Some non local problems arising in the mathematical modelling of the nuclear fusion"

16:00 Lecture

J. Trujillo. Universidad de La Laguna, Tenerife, Spain.
"On Fast Fractional Fourier Transform and open problems".

16:50 Coffee Break

17:30 Communication

E. Cuesta. Universidad de Valladolid, Spain.
"Runge-Kutta convolution quadrature methods for well-posed equations with memory"

18:00 Communication

D. Usero. Universidad Complutense de Madrid, Spain.
"Non-Local Model for Nonlinear Dark Solitary Waves"

Friday February 8

10:30 Lecture

B. Vinagre. Universidad de Extremadura, Spain.
"Some challenges in modelling and control of fractional dynamic systems. An engineering approach"

11:20 Coffee Break

12:00 Lecture

S. Salsa. Politecnico di Milano, Italy.
"Obstacle problem for the fractional Laplacian"

12:50 Lecture

D. Cordoba. IMAFF-Instituto de Matemática Aplicada y Física Fundamental, CSIC – Centro Superior de Investigaciones Científicas, Spain.
"On the existence of solutions of the Surface Quasi-geostrophic equation"

13:40 Lunch

15:15 Communication

Yandong Jiao. Academy of Mathematics & Systems Science, Chinese Academy of Sciences, China, and UCM, Spain.
"Conjugate Symplecticity of Multi-Step Methods"

15:45 Communication

Quandong Feng. Academy of Mathematics & Systems Science, Chinese Academy of Sciences, China, and UCM, Spain.

"Implementing Arbitrarily High-Order Symplectic Methods via Krylov Deferred Correction Technique"

16:15 Lecture

L. Vázquez. Universidad Complutense de Madrid, Spain.

"From the Nonlocal Problems to Fractional Differential Equations"

17:00 Closing Ceremony