26—28 de Septiembre de 2022

XVI Workshop de Jóvenes Investigadores

MONDAY 26th:

9:30-10:00: Reception

10:00-10:15: Inauguration

10:15-11:15: Emma D'Aniello: *Hyperbolicity and Chaos in Linear Dynamics: an overview on recent results*

11:15-12:00: Martina Maiuriello: *Composition operators and weighted shifts: how are they related?*

12:30-13:00: Enrique García: *The free Banach lattice over a Banach space*

13:00-13:30: Christian Camilo Cortés: *Bifurcations on a discontinuous Leslie-Grower model with harvesting and alternative food for predators and Holling II functional response*

16:00-16:30: Alejandro Quintero: The One-Dimensional Krein Laplacian Self-Adjoint Operator and Sequences of Krein-Sobolev Orthogonal Polynomials (online)

16:30-17:00: Macarena Ansola: *Waring decompositions of real binary forms and Brion's formula*

17:30 -18:00: Roberto Téllez: *An introduction to higher mathematics*

18:00 -18:45: Adrián Bacelo: *¿Qué sabemos sobre el género imaginario de un grupo?*

TUESDAY 27th:

10:00-11:00: Daniel Seco: *Distribución de los primos y aproximación en espacios de tipo Dirichlet*

11:00-12:00: Jorge Jiménez: *Factorizar enteros con información extra*

12:30-13:00: F. Javier González Doña: *Finite rank perturbations of normal operators: invariant subspaces and decomposability*

13:00-13:30: Javier Peñafiel: *Convex integration in fluid mechanics*

16:00-16:45: Iason Efraimidis: *Harmonic mappings and the Schwarzian derivative*

16:45-17:15: Andoni de Arriba: *Vertex Algebras and Geometric Structures*

17:45-18:15: Joel Castillo Rey: *The 2875 lines within a general quintic hypersurface of projective 4 -space*

WEDNESDAY 28th:

10:00-11:00: Pablo Candela: *Extensions of Fourier analysis arising from number theory*

11:00-11:30: Javier Alejandro Quintero: *Zero location of extremal Sobolev polynomials*

11:30-12:00: Victor Maciá: *The distance to the border of a random tree*

12:30-13:30: José María Arrieta: *Perturbation of the domain in eigenvalue problems and nonlinear evolution PDE's*

13:30-14:00: Manuel Lainz: *Variational principles in physics and their geometry. An introduction to the Herglotz principle*

Organizado por: Universidad Complutense de Madrid (UCM), Instituto de Matemática Interdisciplinar (IMI), Universidad Carlos III de Madrid (UC3M) y Universidad Autónoma de Madrid (UAM).

Comité organizador: Enrique Arrondo (UCM), Guillermo Gallego (UCM), Pedro D. González (UCM), Jesús Llorente (UCM), Carlos Mora Corral (UAM), José Manuel Rodríguez (UC3M) y Juan B. Seoane (UCM).

Las charlas serán en la Facultad de Matemáticas de la Universidad Complutense de Madrid

Asistencia gratuita. Contacto: master.matematicas@mat.ucm.es