Program (updated 09/05/2022)

Important: All the rooms of the sessions are located at the Campus Edifici Plaça Universitat of the University of Barcelona (Gran Via de les Corts Catalanes, 585).

Session 1 (Room T2, Mathematics), Wednesday evening, May 11, 2022:

15:15h Welcome & Opening

15:30 F. Borondo, Universidad Autónoma de Madrid & ICMAT
Calculating trajectory conjugate points and Maslov indices

16:30 Coffe break

17:00 M. Ollé, Universitat Politècnica de Catalunya
What about collisions?

18:00 J. Reiff, Stuttgart Universität
Transition State Theory in Driven Systems: Celestial Mechanics

21:00 Dinner

Session 2 (Sala de Graus, Philology), Thursday morning, May 12, 2022:

09:30 M. Jorba-Cuscó, Universidad Internacional de La Rioja
Numerical integration of variational equations and applications

10:30 Coffe break

11:00 F. Revuelta, Universidad Politécnica de Madrid & ICMAT
Unveiling phase-space structures of molecular systems using Lagrangian descriptors

12:00 C. Cufí, Universitat Autònoma de Barcelona
Invariant manifolds of parabolic points and tori with nilpotent part

13:30 Lunch

Session 3 (Room T2, Mathematics), Thursday evening, May 12, 2022:

15:30 J. Dubois, Max Planck Institute for the Physics of Complex Systems
Dynamical organization of recollisions by a family of invariant tori

16:30 Coffe break

17:00 A. Vieiro, Universitat de Barcelona
Exploring diffusion in 4D near-the-identity symplectic maps

18:00 R. Calleja, UNAM & Universitat de Barcelona
Quasi-periodic attractors in the Spin-Orbit problem in Celestial Mechanics

19:00 Closing