

DIFFERENTIAL GEOMETRY AND MATHEMATICAL PHYSICS (D)

Wednesday 21 (Lecture room: Pi i Sunyer – ground floor)

16:30 – 17:00	Xavier Gràcia <i>Hamilton–Jacobi theory, dynamical systems, and geometric structures</i>
17:00 – 17:30	Rafael Ramírez <i>Inverse Approach In Ordinary Differential Equations And Nambu Bracket</i>
17:30 – 18:00	Anton Galaev <i>Holonomy groups of Lorentz-Kähler manifolds</i>
18:00 – 18:20	Marta Farré Puiggali <i>The inverse problem of the calculus of variations and applications to control theory</i>
18:20 – 18:40	Raul C. Volpe <i>Characterization of spherical immersions</i>

Thursday 22 (Lecture room: Pi i Sunyer – ground floor)

11:00 – 11:45	Eva Miranda <i>b^m-Symplectic structures: going to infinity and coming back</i>
11:45 – 12:30	David Saunders <i>Holonomic and semiholonomic higher-order jets of submanifolds</i>
12:30 – 13:00	Olga Rossi <i>Hamilton-Jacobi equation</i>

16:30 – 17:00	Zdenek Dusek <i>Homogeneous geodesics and g.o. manifolds</i>
17:00 – 17:30	Pasha Zusmanovich <i>Approximability of Lie groups</i>
17:30 – 17:50	David Rochera <i>Holditch's theorem in space forms</i>
17:50 – 18:10	Jordi Gaset <i>Order reduction and constraints of second-order field theories and higher-order mechanics. Applications to Einstein-Hilbert lagrangian</i>
18:10 – 18:30	Eliška Beránková <i>Sonya Kowalevsky and Emmy Noether</i>

Friday 23 (Lecture room: Pi i Sunyer – ground floor)

11:00 – 11:45	Josef Janyška <i>Remarks on Local Lie algebras of pairs of functions</i>
11:45 – 12:30	Sebastià Xambó <i>Dirac's equation in the light of geometric algebra</i>
12:30 – 13:00	Jose Antonio Vallejo <i>Cohomology operators and Lie algebroids</i>