

# Program

*Monday 11th*

08.30-09.00	Registration
09.00-09.40	<b>A. Celletti</b> KAM theory and quasi-periodic attractors of some dissipative systems
09.40-10.20	<b>A. Haro</b> On the (computer-assisted) application of an <i>a posteriori</i> KAM theorem
10.20-11.00	<b>L. Biasco</b> KAM theory for secondary tori in mechanical systems
11.00-11.30	Coffee break
11.30-12.10	<b>L. Niederman</b> Quasi periodic coorbital motions
12.10-12.50	<b>P. Yanguas</b> Invariant tori in the spatial three-body problem
12.50-13.40	Rapporteur's summary of morning talks (P. Robutel) Discussion
13.40-14.40	Lunch break
14.40-15.20	<b>J. Palacián</b> Reduction of resonant Hamiltonians
15.20-16.00	<b>K. Efstathiou</b> Bifurcations and geometry in the 1:1:-2 resonant Hamiltonian systems
16.00-16.30	Coffee break
16.30-17.10	<b>H. Hanßmann</b> Hamiltonian oscillators in 1:±2:±4
17.10-17.50	<b>A. Marchesiello</b> Symmetric resonances in Hamiltonian systems
17.50-18.40	Rapporteur's summary of the afternoon talks (A. Jorba) Discussion

*Tuesday 12th*

09.00-09.40	<b>M. Guzzo</b> A guided visualization of the tube manifolds of the three body problem
10.20-11.00	<b>A. Farrés</b> Periodic motion for a solar sail close to an asteroid
09.40-10.20	<b>A. Jorba</b> The 1:1 resonance of the augmented Hill problem
11.00-11.30	Coffee break
11.30-12.10	<b>G. F. Gronchi</b> On the averaged restricted N-body problem with orbit crossing singularities
12.10-12.50	<b>H. Waalkens</b> Quantum transition state theory
12.50-13.40	Rapporteur's summary of morning talks (A. Haro) Discussion
13.40-14.40	Lunch break
14.40-15.20	<b>U. Locatelli</b> Exploring the feedback of asymmetric jets on the orbital motions in protostellar discs
15.20-15.50	<b>C. Efthymiopoulos, U. Locatelli, G. Pucacco</b> Computational Hamiltonian perturbation theory: prospects and challenges
15.50-16.20	Coffee break
16.20-17.00	<b>A. Giorgilli</b> The game of small divisors in normal forms
17.00-17.45	<b>Special Lecture</b> <b>G. Contopoulos</b> The history of the Third Integral (a personal account)
18.00-	Departure for visit to Poseidon's temple at Sounio and Social Dinner (Fee: 25 €)

*Wednesday 13th*

09.00-09.40	<b>K. Tsiganis</b> Dynamics of the Didymos binary asteroid - target fo the AIDA mission
09.40-10.20	<b>A.S. Libert</b> Extension of the Laplace-Lagrange secular theory to extrasolar systems
10.20-11.00	<b>P. Robutel</b> Secular dynamics of multi-planetary systems around binary stars
11.00-11.30	Coffee break
11.30-12.10	<b>E. Andrade-Ines</b> Secular dynamics of S-type orbits in binary star systems
12.10-12.50	<b>C. Gales</b> A study of the lunisolar secular resonances for space debris by using the Hamiltonian formalism
12.50-13.40	Rapporteur's summary of morning talks (M. Guzzo) Discussion
13.40-14.40	Lunch break
14.40-15.20	<b>M. Sansottera</b> High-order control for symplectic maps
15.20-16.00	<b>C. Lhotka</b> Perturbation theory at arbitrary expansion points - Applications in Celestial Mechanics
16.00-16.30	Coffee break
16.30-17.10	<b>S. Paleari</b> Hamiltonian perturbation techniques at the thermodynamic limit: adiabatic invariants and normal forms for the Klein-Gordon chain
17.10-17.50	<b>H. Christodoulidi</b> Construction of q-tori in the FPU model with Poincaré-Lindstedt series
17.50-18.40	Rapporteur's summary of the afternoon talks (U. Locatelli) Discussion

