International workshop on Co-orbital Motion: modeling, understanding and exploitation

28-30 March 2022

DAY 2 – 29 March 2022

* in red the invited talks, 40 minutes + 5 minutes for questions
* in black the contributed talks, 20 minutes + 5 minutes for questions

---

CEST (UTC+2)

10:20-10:40	K. Oshima, Hiroshima Institute of Technology, Japan *Stable Retrograde Periodic Orbits in the Earth-Moon-Sun System*
10:45-11:05	B. Nicolás, Universitat de Barcelona, Spain *Capturing a NEA using the invariant manifolds of tori around L3 in a Sun-perturbed Earth-Moon system*
11:10-11:30	G. B. Valsecchi, IAPS-INAF, Italy *An inconvenient type of coorbital motion*
11:35-11:55	M. Fenucci, University of Belgrade, Serbia *The role of the Yarkovsky effect in the long-term dynamics of asteroid (469219) Kamo'oalewa*
12:00-12:20	T. Kotoulas, Aristotle University of Thessaloniki, Greece *1/1 resonant retrograde periodic orbits in the three-body problem*
12:25-14:30	Lunch
14:30-15:10	A. Pousse, IMATI-CNR, Italy *On the remarkable configurations of the co-orbital resonance*
15:15-15:35	S. Di Ruzza, Università degli Studi di Palermo, Italy *Analysis of short-term ephemerides of asteroids in co-orbital motion in the solar system*
15:40-16:00	J. Palacián, Universidad Pública de Navarra, Spain *Quasi-Periodic Motions of Co-Orbital Type in the Three-Body Problem*
16:05-16:25	M. Lara, SCoTIC - University of La Rioja, Spain *Formal integrals as mission design parameters of quasi-satellite orbits*
16:30-17:00	Coffee Break
17:00-17:20	H. Morais, UNESP, Brazil *Retrograde coorbital resonance in the 3-body problem*
17:25-17:45	Y. Huang, University of British Columbia, Canada *Dynamics of the retrograde co-orbital resonance*