

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

28-30 March 2022

DAY 1 – 28 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)

10:00-10:20	Registration for the in-person attendees
10:20-10:30	Opening
10:30-11:10	A. Christou, Armagh Observatory, United Kingdom <i>The three-body-problem in action: a menagerie of solar system coorbitals</i>
11:15-11:35	J. Li, Nanjing University, China <i>Apsidal asymmetric-alignment of Jupiter Trojans</i>
11:40-12:00	C. Efthymiopoulos, University of Padua, Italy <i>L4/L5 asymmetry: to what extent could it be manifold-driven?</i>
12:05-12:25	R. Cennamo & L. Faggioli, RHEA Group, Italy <i>Orbital stability analysis of the second Earth Trojan asteroid 2020 XL5</i>
12:30-14:30	Lunch
14:30-15:10	E. Canalias, CNES, France <i>Space missions exploiting co-orbital motion: the case of MMX</i>
15:15-15:35	F. Renk, ESA-ESOC, Germany <i>Mission Analysis for Vigil, ESA Space Weather Mission</i>
15:40-16:00	G. Merisio, Politecnico di Milano, Italy <i>Ballistic capture corridors at Mars: co-orbital, time-varying manifolds supporting capture</i>
16:05-16:25	L. Giudici, Politecnico di Milano, Italy <i>Keplerian map in the restricted N-body problem</i>
16:30-17:00	Coffee Break
17:00-17:20	J. D. Castro Cisneros, The University of Arizona, United States <i>Kamo'oalewa and the possibility of Co-Orbital Dynamical Outcomes of Lunar Ejecta</i>
17:25-17:45	J. Alvarellos, Emergent Space Technologies, Inc., United States <i>Synchronous Satellites of Venus</i>