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

18-20 March 2024

DAY 2 – 19 March 2024

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

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

The aim of the workshop is to find a synergy among different but related fields in order to enrich each other and gather a new perspective.

So the timetable is flexible. If we will need more time for questions or discussion we will have it.

CET (UTC+1)

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|-------------|---|
| 10:30-11:10 | <i>S. Cicalò, SpaceDyS s.r.l., Italy
Low-Thrust transfer to a large Sun-Earth DRO through a SEL point launch from the Cubesat HENON Mission Analysis</i> |
| 11:15-11:35 | E. Belloni, Politecnico di Milano, Italy
<i>Exploring Deimos with Quasi-Satellite Orbits: trajectory design of the TASTE mission</i> |
| 11:40-12:00 | N. Subramani, East West College of Engineering, India
<i>Perturbations and Control of Formations in Highly Elliptical Orbits</i> |
| 12:05-12:25 | S. Cuevas del Valle, Universidad Rey Juan Carlos, Spain
<i>Geometrical Co-orbital Coordinates and Shape-based methods for Optimal Rendezvous in the Circular Restricted Three-Body Problem</i> |
| 12:30-14:30 | Lunch |
| 14:30-14:50 | I. De Blasi, Università di Torino, Italy
<i>Normal forms and Nekhoroshev theory for geocentric satellites' stability</i> |
| 14:55-15:15 | M. Rossi, Università di Genova, Italy
<i>Dynamical asymmetries for L₄/L₅ captures</i> |
| 15:20-16:00 | <i>M. Jorba-Cuscó, Universitat Politècnica de Catalunya, Spain
On the motion of the plutonian moons</i> |
| 16:05-16:20 | Coffee Break |
| 16:20-16:40 | S. Di Ruzza, Università di Palermo, Italy
<i>Asteroids co-orbital motion classification based on Machine Learning</i> |
| 16:45-17:05 | N. Pan, Universidad de la República, Uruguay
<i>Semi-analytical approach to confirm new Solar System co-orbitals in high eccentricity and inclination orbits</i> |
| 17:10-17:30 | S. Greenstreet, NOIRLab / University of Washington, United States
<i>Jupiter's Metastable Companions</i> |