

IAF SUAC INTERNATIONAL STUDENT WORKSHOP 2015

AGENDA

INTRODUCTION

10:00 – 10:05: Introduction by Christian Feichtinger

10:05 – 10:10: Introduction by Pini Gurfil

10:10 – 10:15: Introduction by Pierre Rochus

PRESENTATIONS

10:15 – 10:30: **Helene Ma**, On the Computation of Preliminary Orbits for Space Debris with Radar Observations

10:30 – 10:45: **Nicola Baresi**, Bounded Relative Orbits about Asteroids

10:45 – 11:00: **Irina Vorobiova**, Engineering and Ballistic Researches of Satellites Group Injection to Different Initial Orbits by One Launch

COFFEE BREAK

11:00-11:30: Coffee break

PRESENTATIONS

11:30-11:45: **Daniel Brack**, In-orbit Tracking and Parameter Estimation of High Area-to-Mass Ratio Space Objects

11:45-12:00: **Josue Cardoso Dos Santos**, Dynamics of Orbits for Space Missions Taking into account a Disturbing Body in an Elliptical-Inclined Orbit: Applications to Planetary Moons

LUNCH

12:00-13:15: Lunch

PRESENTATIONS

13:15-13:30: **Taras Yemets**, Clingfish Small Glue Catcher and Drag Deorbiter of Space Debris

13:30-13:45: **Tomer Shtark**, Tracking a Non-Cooperative Target Using a Real-Time Stereovision-Based Control Law

13:45-14:00: Deliberation

VISIT OF LABS

14:00-15:30: Distributed Space systems Lab and Electric Propulsion Lab

AWARD CEREMONY

15:30-16:00: Award ceremony