The 10th Mission Idea Contest Preliminary Workshop

Moderator: Mengu Cho, Chiba Institute of Technology

November 9

Start	End	Title of presentation	Presenter(s)
14:10	14:30	Opening Remarks	**Herman Steyn,** Stellenbosch University
14:30	14:50	Active Tether Control System	**Yonsoo Kim**, Yonsei University
14:50	15:10	Bidirectional Bare-Tape Electrodynamic Tether for Propellantless Collision Avoidance and Orbit Recovery	**Serkan Burak ORS**, KAIST, Daejeon, Republic of Korea
15:10	15:30	AODMS (Adaptive Optical-Drag Maneuvering Surface) – Adaptive Reflectance Operation for Non-Propulsive Collision Avoidance Orbit Recovery.	**Gilari Ramachandran Karthi**, SASTRA University, India (Assistant Professor)
15:30	15:50	Active Electrodynamic Tether for Debris Avoidance in Low Earth Orbit	**Tiana Pendray, Kai Schreiber-Pitters and Areeb Nokhez**, University of New South Wales (UNSW)
15:50	16:10	Break	
16:10	16:30	AVERT – Avoid-and-Restore Orbit Maneuvering of a 50-kg Satellite Using a Reversible Bare Electrodynamic Tether	**ARIEL J. NOPRE, JR**. and **JOHN MICHAEL REY A. ZAMORA**, UNIVERSITY OF THE PHILIPPINES
16:30	16:50	NMPC-Driven Orbit Evasion and Restoration using a Spinning Electrodynamic Tether	**Gian Nepomuceno, Andrew Cabile, Abbe Rivero and Amer Panganiban**, Students for the Exploration and Development of Space in the Philippines
16:50	17:10	REJULSS: Rapid Evasion and Joule Actuated Utility for LEO Satellite Sustainability	**Rayhan Dzulfadli**, Institut Teknologi Bandung
17:10	17:30	Propellantless Propulsion using Spinning Electrodynamic Tether.	**Raj Sapkota and Satish Raj Regmi**, Pulchowk Campus, Tribhuvan University, Nepal
17:30	18:10	Review/Break	
18:10	18:30	Award Ceremony and Photo Session	