

International Academy of Astronautics (IAA)
Minutes of meeting - Study Group 3.24 "Road to Space Elevator Era"
1st meeting in Toronto, Canada on Oct 2nd, 2014



Date: Thursday, Oct 2nd, 2014

Time: 12:00 – 14:00

Place: Room #710

Chair: Akira Tsuchida (CM2), Co-chair: Peter Swan, Ph.D. (M4), David Raitt, Ph.D. (M4)

Secretary: Ms. Sakurako Takahashi

1. Opening Remarks Co-chair: Dr. Peter Swan
2. Self-introduction All
3. Commission III approval status Sakurako Takahashi
Presentation of proposal for the new Study Group (Appendix 2) was repeated. It was reported that the Study Group was approved at the Commission III meeting on Sep. 27.
4. Space Elevator's research topics from SEC2014 Dr. John Knapman
Introduction of research topics and estimated costs (Appendix 3)
5. Status of tether research Dr. Hironori Fujii
Brief introduction of a new CubeSat experiment: space elevator related on-orbit demonstration mission (STAR-C, 2U CubeSat) is selected to be deployed from "Kibo", Japanese Module of the International Space Station, in 2016 (Appendix 4).
6. Updates from SEC2014 Dr. Peter Swan
 - IAA report was presented at the Heads of Space Agencies Meeting
 - Obayashi Corporation's SE concept report
 - Human Exploration Conference: SE was presented
 - New material: diamond nanothreads
 - Climber competitions: Japan and Israel
 - ISEC published study report each year
 - ISEC has relationship with National Space Society
 - Space Elevator Pocket Book by JSEA (Japan Space Elevator Association)
7. Research topics from Yuzhnoye SDO Gennadiy Osinovyy
Suggestion of utilizing space debris collector to increase the mass of SE counterweight (Appendix 5)
8. Future schedule Dr. Peter Swan
The next meeting would be in Paris in Mar. 2015