

IAA Study Group Status Report

Responsible Commission: Commission III

Study Number and Title: 3.3 Space Elevator Feasibility and Impact

Short Study Description:

Overall Goal:	(1) Determine the Engineering, Scientific and Economic feasibility of a Space Elevator for inexpensive access to space
	(2) Identify the key rationale for a Space Elevator to include the socio-economic, political, environmental and human aspects, as well as possible resistance
off	(3) Identify areas for both technology spin-in and spin-off
	(4) Identify the impact on Industry and Society of the Space Elevator
Intermediate Goals:	(1) Conduct sessions at IAC's (Vancouver, Japan, and Spain) with purpose of understanding the international aspects of the Space Elevator.
	(2) Produce a recommendation for the Academy for future studies and activities to support the development of a Space Elevator.

Methodology: The initial step is to sponsor sessions inside the IAA 3.8 Symposium (Symposium on the Far Future: Renewed Visions). The second step is to create a study group, establish goals, objectives and timelines for a Space Elevator cosmic study. The last step would be to produce a report for the Academy that discussed the feasibility of a Space Elevator and identify the potential benefits to humanity.

Progress in past six months: Study has been approved by the Academy

New Schedule as follows:

- 1st Meeting: March 05 in Paris – to establish study group (achieved)
- 2nd Meeting: Oct 05 in Japan– to discuss progress, identify action items
- 3rd Meeting: March 06 in Paris – to discuss report outline and timeline
- 4th Meeting: Oct 06 in Spain – summarize conclusions and recommendations
- 5th Meeting: March 07 in Paris draft final aspects of Academy product
- 6th Meeting: Oct 07 in India – produce the Academy report for signature

Website Study Information up to date? Yes, just initiating the study. Will complete the form with more information after October 05 meeting.

Issues requiring resolution? : none at this time

Product Deliveries on Schedule? : yes, with new schedule

Study Team Member Changes? Just starting.

Name of person providing Study Group Status : co-chair Dr. Peter Swan

Status Report Date: 23 Sept 05

Please email the completed reports to Dr. Kasturirangan, krangan@nias.iisc.ernet.in and Dick Kline, rkline@cox.net. Then post it on your IAA Commission Website **no later than September 28, 2005. Thank you!**