



Japan Space Elevator Association
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Subject: 3rd Japan Space Elevator Association Conference Guide

The Space Elevator, the next generation of space transportation has been followed somewhat more in the Japanese media recently. We will hold the 3rd Space Elevator conference on December 11th and 12th. We have invited experts in various fields of science, engineering and law.

The space elevator is an alternative to the heavy lift rockets of today. It has the potential to provide a safe and inexpensive transportation to space.

We would be very pleased if you or some of your staff would be able to attend our conference; It will be a good opportunity to become familiar with the topic and recent happenings in related fields. (Some of the contents of the conference may require technical expertise, but most will be understandable to a lay person.)

Respectfully yours,

Japan Space Elevator General Association :

Founded in April 2008, the association is run by volunteers working for the realization of a space elevator. Currently, there are 500 members. (Mainly academics and engineers) The principal activities include encouraging the proliferation of knowledge about the Space Elevator, promotion of research and development of technical and legal issues which can be foreseen. We also have been in cooperation with similar organizations in Europe and North America.

For more information, please refer our HP: <http://www.jsea.jp/>

Shuichi Ohno
JSEA Chairman

3rd Japan Space Elevator Association Conference Program

Venue: Nihon University College of Law Building No.10

(3 minutes from JR Suidou bashi Sta.) <http://www.law.nihon-u.ac.jp/access/index.html>

Participation fees: 3,000yen (student rate 1,500yen)

Registration: <http://www.jsea.jp/>

Saturday, 11th December



9:30 Registration

10:00 – 12:00

- **Legal Guidelines when considering construction of a Space Elevator**
Sunao Kai (Japan University College of Law Professor)
- **Progress in constructing Lightweight, High-strength carbon nanotubes**
Yoku Inoue (Shizuoka University Faculty of Engineering Associate Professor)

13:00 – 17:00

- **JSEA recent Activities** *Shuichi Ohno (JSEA)*
- **Foreign Developments related to the Space Elevator** *Devin Jacobson (JSEA)*
- **Space Elevator Bootstrap Cable Deployment and related orbital control considerations**
Noboru Takeichi (Nagoya University Engineering Dept. Aerospace Engineering Instructor)
- **Planning a Stratospheric Elevator**
Yoshiki Yamagiwa (Shizuoka University School of Engineering Professor)
- **The potential of a world with a Space Elevator, Panel Discussion**
Coordinator: *Hiroshi Kubota (Asahi Shinbun Newspaper Science/Medical Group Vice-director)*
Panelist: *Yoshiyuki Tomino (Animation Director), Sunao Kai (Japan University College of Law Professor), Yoshio Aoki (Japan University College of Science and Technology Professor, JSEA), Kenji Ishikawa (Author), Shuichi Ohno (JSEA)*

Sunday, 12th December

10:00 – 12:00

- **Report of JSETEC2010; Japan Space Elevator Engineering and Technical Competition**
Chikashi Matsuno (JSEA)

12:00 – 17:00

- **Report of Space Tether Experiments**
Hironori Fujii (Kanagawa Institute of Technology Engineering Dept. Professor)
- **Space Elevator Tether movement based on non-rigid tether material**
Ryotarou Okawa (Japan University College of Science and Technology Engineering Dept.)
- **Current state of development of Solar Power Satellites**
Tadashi Takano (Japan University College of Science and Technology Research Fellow)
- **Medical considerations in regards to a Space Elevator**
Satoshi Iwase (Aichi Medical University Professor)
- **Space Elevator Roadmap / Understanding the theory**
Nobuto Yoshino (Japan University College of Science and Technology Engineering Dept.)
- **Space Elevator Roadmap / Where we are now** *Kunihiko Mimura (JSEA)*