

# S.P.A.C.E TOURISM II

Lecture Series given by Dr.-Ing. Robert A. GOEHLICH

## スペース ツーリズム II

レクチャー シリーズ バイ 工学博士 ロバート アレクサンダー グーリッヒ

**WHERE:** Keio University, Yagami Campus, Department of System Design Engineering, Lecture Room No. 12-104 (building 12 at 1. floor), 3-14-1 Hiyoshi, Kohoku-ku, Yokohama 223-8522

**WHEN:** Every Wednesday, 14:45 – 16:15 (first class: April 13, 2005)

**WHO:** This is a master's course but bachelor or Ph.D. students are also welcome. There is no prerequisite; this lecture is intended for new students as well as Space Tourism I attendances. Transfer of credits to other universities on request. Visitors are always welcome! This lecture is now available in the internet via webcam and microphone. Login at: [www.robert-goehlich.de](http://www.robert-goehlich.de)

**DESCRIPTION:** Space Tourism I is the world's first lecture series about this topic at Keio University, Department of System Design Engineering. In contrast to "Space Tourism I" lecture, the goal is to discuss selected topics such as "Ansari X Prize", "Space Adventures", "SpaceShipOne", etc. in detail. The lecture is complemented by various guest speakers from universities and industries (Kawasaki Heavy Industries, JAXA, Space Tourism Society Japan, etc.) as well as using the Space Tourism Market Simulation II. The aim for this topic is to introduce aerospace and non-aerospace students into new approaches such as space tourism as a driver to overcome the stagnation of the space market. At the moment space tourism is a field where reality, hoaxes and science fiction are mixed up in such a way that it makes difficult for the general public to distinguish between reality and wishes. These circumstances have a negative effect on the realization of space tourism and should be eliminated.

**GRADING:** Grading will be weighed as the following: 60% for presentation of project STMS II, 20% for term paper and 20% for exam.

**BIOGRAPHY:** Robert A. Goehlich was born in Berlin, Germany, in 1975. He received his Ph.D. in Aerospace Engineering from Technical University Berlin. His investigations are focused on cost engineering (economical optimization of vehicle systems, aerospace industry and organizations) and space tourism. He worked at Israel Institute of Technology (Israel), University of Washington (USA), National Aerospace Laboratory (Japan), Kourou Spaceport (French Guiana). Currently, he is lecturing "Space Tourism II" and "Cost Engineering II - Economics of Rockets, Satellites and Space Organizations" at Keio University and working at JAXA in Japan.



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**SCHEDULE:**

Week	Date	Topic	Short Description
1	13.4.	Introduction	short summary of each lecture, Space Tourism Market Simulation, requests from audience for lectures
2	20.4.	Ansari X Prize, SpaceShipOne and Wildfire	Lecture and Space Tourism Market Simulation
3	27.4.	Space Tourism and Policy	Lecture and Space Tourism Market Simulation
4	11.5.	Intermediate Student Presentations	(Grading)
5	18.5.	Space Tourism in California	by Mr. Saotome, President of Space Tourism Society Japan, USA
6	25.5.	Future Space Transportation Systems + Intermediate Student Presentations	by Mr. Hirokazu Suzuki, Senior Researcher, Future Space Transportation Research Center, JAXA, Tokyo, Japan + (Grading)
7	1.6.	Space Tourism OPOLY	Guest Speaker: Mr. Tony Webb, founder of eSpaceTickets.com and eSpaceLotto.com, Wilmington, USA (Webcam broadcasting)
8	8.6.	Present and Future Spaceports	by Mr. Iida, formerly Head of Kagoshima Space Center, now Advisor to the Executive Director of JAXA, Tokyo, Japan
9	15.6.	Suborbital Rocket Plane + Intermediate Student Presentations	by Prof. Yoshiaki Ohkami, Keio University, Yokohama, Japan + (Grading)
10	22.6.	Space Adventures	Lecture and Space Tourism Market Simulation
11	29.6.	The Universe and Space Tourism	Guest Speaker: Dr. Knud Jahnke, Astrophysical Institute Potsdam, Germany (Webcam broadcasting)
12	6.7.	NASA and U.S. Industry: Space Tourism and Beyond	by Mr. A.C. Charania, Senior Futurist, SpaceWorks Engineering Inc., Atlanta, USA
13	13.7.	Conclusion	Lecture and Space Tourism Market Simulation

Note: Schedule is based on 90 minutes lecture/week. Lecture will be given in English, while slides and handouts are bilingual (English/Japanese). Schedule may change due to unforeseen space tourism news.

This lecture is also part of the "Open College" Program in the course of "Germany in Japan 2005/2006" events.  
Link: <http://www.doitsu-nen.jp>



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