

Japan Aviation Environmental Workshop

Innovative Concepts for Carbon Neutral Growth

Time: 10:00–17:30

Date: 5 November 2014

Venue: Fukutake Hall
University of Tokyo

This workshop aims to share knowledge among all participants to enhance understanding of the innovative concepts for carbon neutral growth in two important areas: Alternative Fuels and Flight Operational Efficiency. Experts from the US and Japan will share their knowledge of technologies providing status and pointing out future opportunities.

The panel session within the workshop will be an excellent opportunity for audience participation.

Sponsored by:



University of Tokyo
The Center for Aviation Innovation

Cohosted by:

Study Group for Aviation Innovation

**International Transport
Policy Research Unit**
Graduate School of Public Policy
The University of Tokyo

Policy Alternatives Research Institute
University of Tokyo

**National Agricultural and
Food Research Organization**



PROGRAM

Workshop fee ¥1,000

- 10:00-10:10 **Welcome**
Shinji Suzuki – Director, Center for Aviation Innovation Research and Professor, School of Engineering, Aeronautics and Astronautics, University of Tokyo
- 10:10-10:40 **Keynote Speech: Contributing to Efficient Air Traffic Operations**
Hitoshi Ishizaki – Director-General, Air Navigation Services Department, Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
- 10:40-11:10 **R&D activities in Japan for Improved Air Traffic System**
Kazuo Yamamoto – President, Electric Navigation Research Institute (ENRI)
- 11:10-11:40 **FAA's Programs and Acquisition Strategies for Improving the Efficiency of Flight Operations**
Chris Metts – Vice President, ATO Program Management Organization, Acting Deputy Asst. Administrator for Acquisition and Business, FAA
- 11:40-12:10 **Industry Contribution to Efficient Flight Operations – Boeing Perspective**
Neil Planzer – Vice President, Boeing Airspace and Air Traffic Management, The Boeing Company (Boeing)
- 12:10-13:30 **BREAK**
- 13:30-14:00 **Keynote Speech: Next Generation Biofuel Technical Development - Now and in the Future**
Speaker(TBC) - Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry (METI)
- 14:00-14:30 **Role of Alternative Jet Fuels in Addressing Aviation Environmental Challenges**
Jim Hileman – Chief Scientific and Technical Advisor for Environment and Energy, Federal Aviation Administration (FAA)
- 14:30-15:00 **Aviation Bio-fuels – What are the technology options?**
Jonathan Holladay – Manager, Biomass Sector, Pacific Northwest National Laboratory, Department of Energy
- 15:00-15:30 **Next Generation Fuels**
Jennifer Holmgren – CEO, LanzaTech
- 15:30-15:50 **BREAK**
- 15:50-17:20 **Panel Discussion: Path to Carbon Neutral Growth – Includes All and Benefits All**
Moderator: Professor Shinji Suzuki, University of Tokyo
Panelists: In addition to the presenter above -
Belur Shivashankara – Senior Technical Executive, Environment Performance, Commercial Airplanes, the Boeing Company
Naomichi Hiro Terasaki – Adviser, CSR Promotion, All Nippon Airways
Takahiro Nakashima - Director, Environmental Affairs, Japan Airlines
Hitoshi Fujiwara - Propulsion Systems Research Group, Institute of Aeronautical Technology, Japan Aerospace Exploration Agency
- 17:20-17:30 **Summary Remarks**
Mark Steele – Director R&D Programs, Boeing Commercial Airplanes

RECEPTION

18:00-19:30 ¥3,000 for general participants, ¥1,000 for students

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