
MIT Airline Industry Consortium – Executive Education Course

“The Airline Industry: Global Developments and Challenges”

Massachusetts Institute of Technology, Cambridge, MA
June 20-21, 2011

Intensive 2-day educational program on recent developments and emerging challenges in the airline industry, with an emphasis on global industry trends and forces. Overviews of recent airline performance and introductions to some basic concepts are provided, based on materials from our graduate course “The Airline Industry”. The lectures combine fundamentals with new research findings and in-depth discussion of critical issues facing aviation worldwide. Topics include airline planning and competitive strategies, aviation safety, airport and air traffic management, and aviation environmental issues.

MIT and Affiliated INSTRUCTORS

Dr. Peter Belobaba, Program Manager, MIT Global Airline Industry Program
Prof. Arnold Barnett, Sloan School of Management, MIT
Prof. Cynthia Barnhart, Associate Dean of Engineering, MIT
Prof. R. John Hansman, Director, MIT International Center for Air Transportation
Mr. Joakim Karlsson, Research Affiliate, MIT
Dr. Tom Reynolds, Department of Aeronautics and Astronautics, MIT
Mr. William Swelbar, Research Engineer, Manager of MIT’s Airline Data Project
Dr. Vikrant Vaze, Dept. of Civil and Environmental Engineering, MIT

MONDAY 20 JUNE

0900-1020 Update: Recent Trends in the Airline Industry (Hansman)

Recent developments in global aviation, with a focus on economic cycles, fuel price volatility, and impacts of competition; implications for infrastructure capacity, operations, and safety.

1040-1200 Airline Operating Costs and Productivity Trends (Belobaba)

Cost and productivity changes over past 30 years; Comparisons of legacy and LCC airline sectors; Drivers of productivity improvement with a focus on major re-structuring since 2000.

LUNCH

1300-1415 Evolution of Airline Network Strategies (Swelbar)

Evolving network strategies; emphasis by legacy carriers on hubs, regional jets, international growth; impacts of LCCs on networks and competition; implications for future fleet requirements.

1415- 1530 Aviation Safety and Security: How Safe? (Barnett)

Estimating the mortality risk of commercial air travel; Public perceptions about aviation risk; Collision risks, both on the ground and in the air; Terrorism and security measures.

1545-1700 New Developments in Pricing, RM and Distribution (Belobaba)

Emerging airline pricing strategies and impacts on RM systems and models; Impacts on distribution systems and future developments; Current challenges in revenue management.

EVENING ACTIVITY – GROUP DINNER AT MIT FACULTY CLUB

TUESDAY 21 JUNE

0900-1020 Issues Facing Airports: Capacity and Demand Management (Karlsson)

Key drivers of airport capacity and demand; Challenges of capacity growth; Capacity management through slot coordination; Options for demand management.

1040-1200 Air Traffic Control Modernization (Hansman)

Diversity of ATC systems around the world; emerging technical systems and new operational procedures; Major system change efforts such as NEXTGEN in the US and SESAR in Europe.

LUNCH

1300-1415 Congestion and Delay Mitigation (Barnhart/Vaze)

Analysis of flight and passenger delays; effects of congestion on flight schedules and delays; impacts on delays, airline profitability and passenger service of slot controls and congestion pricing.

1415-1530 Aviation and the Environment (Reynolds)

Noise, local air quality and climate impacts of aviation; current and potential future regulations and policies; operational, technological and other options for mitigation.

1545-1700 Global Airline Industry Competition and Consolidation (Swelbar)

Discussion of global airline consolidation; Alliances, joint ventures and mergers; Competitive positions of global airlines; Growth strategies of emerging Middle East airlines.

REGISTRATION INFORMATION

"The Airline Industry: Global Developments and Challenges"

MIT, June 20-21, 2011

AIRLINE INDUSTRY CONSORTIUM

The MIT Airline Industry Consortium consists of major industry stakeholders that support and participate in the research and educational efforts of the MIT Global Airline Industry Program. This Executive Education Course is designed for members of the Consortium – each member company may send 3 registrants at no additional charge. Registrants from non-member companies are welcome, and will be accommodated subject to space availability.

PROGRAM COST PER PERSON (US \$)

Airline Industry Consortium member companies – first 3 registrants	No charge
Additional registrants from member company	\$1200
Registrants from Non-member Companies	\$2400

Registration fees include all course lectures and materials, plus coffee breaks and snacks, as well as a group dinner on June 20. Hotel, meal, and travel costs are not included.

REGISTRATION FORM

DUE NO LATER THAN MAY 31, 2011

Please reserve a place for me in the Executive Education Course: The Airline Industry to be held at MIT on June 20-21, 2011.

NAME _____

TITLE _____

COMPANY _____

MAILING ADDRESS:

PHONE/FAX _____

E-MAIL _____

REGISTRATION FEE USD \$ _____

Please submit a separate registration form or e-mail above details for each registrant.

HOTEL INFORMATION

The following Cambridge hotels are convenient to MIT. Please request the special "MIT Rates" shown below directly from the hotel. Lower airline or government employee rates might also be available. Because June is a peak period for visitors to the Boston area, you are encouraged to book hotel space as soon as possible.

Marriott Hotel Cambridge Center	\$209/night	(617) 494-6600	(800) 228-9290
Residence Inn Cambridge Center	\$203/night	(617) 349-0700	(800) 331-3131
The Kendall Hotel (Kendall Square)	\$189/night	(617) 577-1300	
Courtyard Marriott (Cambridge) [Use Corporate Code #MT2]	\$139/night	(617) 492-7777	(866) 323-4149

Please return this page by fax to P. Belobaba at 617-253-0361 or reply with all details by e-mail to belobaba@mit.edu by May 31!
