

7th | National Aviation System Planning Symposium

May 3 - 5, 2009

Asilomar Conference Grounds
Pacific Grove, California



Agenda at a Glance

Sunday, May 3

- 2:00 pm **TRB Committee on Intergovernmental Relations in Aviation (AV010) Mid-Year Meeting**
Interested symposium attendees who are not already members or friends of the committee are invited to attend the committee meeting to discuss future committee activities
- 6:00 pm *Dinner* | Crocker Dining Hall
- 7:00 pm **Welcome Reception** | Merrill Hall

Monday, May 4

- 8:30 am **Welcome and Symposium Overview**
Keynote Address
- 9:45 am PLENARY SESSION I: **The Future Context of Aviation System Planning**
- 10:40 am *Break*
- 11:00 am Plenary Session II: **Case Studies of Airport System Planning**
- 12:15 pm *Lunch*
- 1:50 pm Plenary Session III: **Challenges to Airport System Planning in California**
- 3:30 pm *Break*
- 3:50 pm Plenary Session IV: **Results of Airport Cooperative Research Program Studies**
- 5:30 pm *Adjourn*
- 6:00 pm *Dinner*
- 7:00 pm **Reception** / Airport Cooperative Research Program Poster Session

Tuesday, May 5

- 8:30 am PLENARY SESSION V: **The System Planning Process: Implementation and Performance**
- 10:10 am *Break*
- 10:30 am CONCURRENT SESSION A1: **Technological and Economic Solutions to Capacity Constraints**
CONCURRENT SESSION A2: **Air Service Development and the Economic Impacts of Aviation**
- 12:15 pm *Lunch*
- 1:15 pm CONCURRENT SESSION B1: **Environmental Considerations in Aviation System Planning**
CONCURRENT SESSION B2: **Recent Trends in General Aviation Activity**
- 3:00 pm *Break*
- 3:15 pm PLENARY SESSION VI: **Symposium Summary and Future Research Needs**
- 4:15 pm *Adjourn*

Wednesday, May 6

- 8:30 am **TRB Aviation System Planning Committee (AV020) Mid-Year Meeting**
Interested symposium attendees who are not already members or friends of the committee are invited to attend the committee meeting to discuss future committee activities
- 12:00 pm *Adjourn / Lunch*

Welcome

Welcome to Pacific Grove and the Asilomar Conference Grounds. On behalf of the Transportation Research Board and the TRB Committee on Aviation System Planning, I look forward to your participation in the Seventh National Aviation System Planning Symposium. The symposium has been organized in cooperation with the California Department of Transportation and we appreciate their support in bringing the symposium to California.

This symposium, the seventh in a continuing series, focuses on many of the critical issues facing aviation planners in the 21st century and brings together a broad spectrum of aviation planning professionals from both the public and private sectors.

This is a challenging time in the aviation industry. While economic turmoil has led to a reduction in demand in the near term, the prospects for future growth in demand in the longer term will require a continuing emphasis on expanding the capacity of the aviation system. Taking advantage of new technology and the need to address aging infrastructure poses some unique planning challenges. This symposium will provide a forum for discussion of many of the current and future issues in aviation system planning.

This symposium will also address the resources and future opportunities that are presented by the Airport Cooperative Research Program. An important goal of the symposium is to showcase the results achieved to date and help identify research needs in aviation system planning that could be addressed by future ACRP research projects.

It is the intent of our committee to assemble a Symposium Proceedings summarizing the presentations and discussions which emerge from this symposium. Your participation in these sessions will further contribute to the aviation system planning literature.

Many thanks to all the symposium sponsors and to the Symposium Planning Committee members for their support and hard work.

Linda Howard, Chair

TRB Committee on Aviation System Planning

SYMPOSIUM PARTICIPANTS

A roster of symposium participants will be distributed to attendees by e-mail following the symposium. Attendees who do not wish to have their contact information included in the roster should notify Helen Bassham (hbassham@berkeley.edu) during the symposium or within one week following the symposium.

PROCEEDINGS

The TRB Committee on Aviation System Planning intends to prepare Proceedings of the symposium that will be available in due course on the Committee website at <http://www.av020.cee.vt.edu>. Symposium participants will be notified by e-mail when the Proceedings are posted.

CONTINUING EDUCATION CREDIT

The Transportation Research Board staff is currently in discussion with the staff of the American Planning Association to award AICP Continuing Education credits for attendance at TRB professional meetings, including this symposium. It is not anticipated that approval will be given prior to the symposium, but any subsequent approval can be retroactive for up to three months and it is hoped that approval will be obtained in time to allow symposium attendees to obtain Continuing Education credit for their participation.

SESSION PROGRAM

Monday
May 4

8:30 am

WELCOME AND SYMPOSIUM OVERVIEW | Merrill Hall

Moderator: Geoffrey Gosling, Aviation System Consulting, LLC

Keynote Address

Prof. John Kasarda, The University of North Carolina at Chapel Hill

The Aerropolis: Economic Development Implications of Airport System Planning

9:45 am

PLENARY SESSION I | Merrill Hall

The Future Context of Aviation System Planning

Moderator: Geoffrey Gosling, Aviation System Consulting, LLC

Growth in Aviation Demand and Resulting Capacity Challenges

Robert Peterson, Boeing Commercial Airplanes

Impact of Climate Change Policy on Aviation

Kurt Edwards, Federal Aviation Administration

10:40 am

BREAK

11:00 am

PLENARY SESSION II | Merrill Hall

Case Studies of Airport System Planning

Moderator: George Blomme, Aviation Consulting

New York Regional Air Service Demand Study

Charles Van Cook, Parsons Brinckerhoff

Florida Statewide Airport System Planning: Use of Digital Technologies

Robert Ori, Planning Technology, Inc.

North Central Texas Regional General Aviation and Heliport System Plan

Michael Mallonee, North Central Texas Council of Governments

12:15 pm

LUNCH | Crocker Dining Hall – Seascape Room

Luncheon Address

Kome Ajise, Deputy Director for Planning and Modal Programs

California Department of Transportation

Monday
May 4

1:50 pm

PLENARY SESSION III | Merrill Hall

Challenges to Airport System Planning in California

MODERATOR: Terry Barrie, Caltrans Division of Aeronautics

The Bay Area Regional Airport System Plan Analysis

David Hollander, SH&E, an ICF International Company

Challenges and Opportunities in Planning for Future Growth in Southern California

Michael Armstrong, Southern California Association of Governments (invited)

Strategies to Accommodate Future Regional Growth in Southern California

Mark Thorpe, Los Angeles World Airports

Alternative Approaches to Meeting Future Capacity Needs in the San Diego Region

Keith Wilschetz, San Diego County Regional Airport Authority

3:30 PM

BREAK

3:50 pm

PLENARY SESSION IV | Merrill Hall

Results of Airport Cooperative Research Program Studies

MODERATOR: Seth Young, The Ohio State University

Overview of the Airport Cooperative Research Program

Michael Salamone, Transportation Research Board

Airport Aviation Activity Forecasting

William Spitz, GRA, Inc.

Airport System Planning Practices

Pamela Keidel-Adams, Wilbur Smith Associates

Enhancing Airport Land Use Compatibility

Stephanie Ward, Mead & Hunt, Inc.

Understanding Airspace, Objects, and Their Effects on Airports

Byron Thurber, Jacobs Consultancy

Elizabeth Ike, The Ohio State University

5:30 pm

ADJOURN

6:00 pm

DINNER | Crocker Dining Hall

7:00 pm

RECEPTION | Merrill Hall

Airport Cooperative Research Program Poster Session

SESSION PROGRAM

Tuesday
May 5

8:30 am

PLENARY SESSION V | Merrill Hall

The System Planning Process: Implementation and Performance

MODERATOR: Pamela Keidel-Adams, Wilbur Smith Associates

National Airport System Planning: NextGen and NPIAS

Benito DeLeon, Federal Aviation Administration

New England Regional Airport System Plan

Bryon Rakoff, FAA New England Region

State Airport System Planning

Linda Howard, Texas DOT Aviation Division

Airport System Planning in the Baltimore-Washington Region

Timothy Canan, Metropolitan Washington Council of Governments

10:10 am

BREAK

10:30 am

CONCURRENT SESSION A1 | Merrill Hall

Technological and Economic Solutions to Capacity Constraints

MODERATOR: Geoffrey Baskir, Parsons Brinckerhoff

The Role of NextGen Technologies in Enhancing Airport Capacity

Paul Devoti, Federal Aviation Administration

Potential Capacity Contribution of NextGen Technologies

William Dunlay, Jacobs Consultancy

Demand Management Strategies: Policy and Implementation Considerations

Mark Kiefer, CRA International

The Role of Slot Auctions and Peak Period Pricing in Managing Capacity Shortfalls

Stephen Van Beek, Eno Transportation Foundation

10:30 am

CONCURRENT SESSION A2 | Chapel

Air Service Development and the Economic Impacts of Aviation

MODERATOR: Senanu Ashiabor, Dowling Associates

Development of Air Service to Smaller Communities and Secondary Airports

Mike Boggs, Mead & Hunt, Inc.

An Integrated Regional Approach to Intermodal Cargo Movement

David Whitaker, Columbus Regional Airport Authority

A Total Logistics Approach to the Reuse of Former Military Facilities

Bruce Miller, Port San Antonio

Assessing the Local Economic Impacts of Air Service Development

Steven Landau, Economic Development Research Group

Tuesday
May 5

12:15 pm LUNCH | Crocker Dining Hall

1:15 pm CONCURRENT SESSION B1 | Merrill Hall

Environmental Considerations in Aviation System Planning

MODERATOR: Colette Armao, Caltrans Division of Aeronautics

Case Studies of Airport Experience with Compatible Land Use Planning

Eugene Reindel, Harris Miller Miller & Hanson, Inc.

Environmental Considerations in the Development of the Next Generation

Air Transportation System

Charles Everett, TranSystems Corporation

Conceptual Airport System Planning Decision Making Process Including Environmental Values

Ashraf Jan, Federal Aviation Administration

Addressing Community Interests in Airport System Planning

Walter Gillfillan, Walter E. Gillfillan & Associates

1:15 pm CONCURRENT SESSION B2 | Chapel

Recent Trends in General Aviation Activity

MODERATOR: Yasmina Platt, Hartsfield-Jackson Atlanta International Airport

Evolving Role of Business Aviation in the U.S. Economy

Lisa Piccione, National Business Aviation Association

Future Role of Very Light Jets

William Spitz, GRA, Inc.

Trends in Personal and Recreational Flying

Melissa Rudinger, Aircraft Owners and Pilots Association

Preservation of Public Use Airports

Laurie Cullen, HNTB Corporation

3:00 pm BREAK

3:15 pm PLENARY SESSION VI | Merrill Hall

Symposium Summary and Future Research Needs

MODERATOR: Linda Howard / Texas DOT Aviation Division

Session moderators / General discussion

4:15 pm ADJOURN



SYMPOSIUM PLANNING COMMITTEE

- **Geoffrey Gosling**,* Aviation System Consulting, LLC
(Chair, Planning Committee)
- **Linda Howard**, Texas Department of Transportation, Aviation Division
(Chair, AV020)
- **Seth Young**,* The Ohio State University (Vice-Chair, AV020)
- **Colette Armao**, California Department of Transportation,
Division of Aeronautics
- **Senanu Ashiabor**, Dowling Associates
- **Terry Barrie**, California Department of Transportation,
Division of Aeronautics
- **Geoffrey Baskir**,* Parsons Brinckerhoff
- **George Blomme**,* Aviation Consulting
(Chair, Sponsorship Subcommittee)
- **Christina Cassotis**,* SH&E, an ICF International Company
- **David Fish**, Federal Aviation Administration
- **Barbara Fritsche**,* Wilbur Smith Associates
- **Igor Frolov**, IBM Global Business Services
- **Sharon Glasgow**, Federal Aviation Administration
- **Michael Haak**, University of Colorado at Denver
- **Ashraf Jan**, Federal Aviation Administration
- **Pamela Keidel-Adams**,* Wilbur Smith Associates
- **William Laska**, Department of Homeland Security
- **Michael Mallonee**, North Central Texas Council of Governments
- **Sonjia Murray**, SH&E, an ICF International Company
- **Thomas Phillips**, Keiser Phillips Associates
- **Yasmina Platt**,* Hartsfield-Jackson Atlanta International Airport
- **David Rubin**,* Consultant
- **Verne Skagerberg**, Alaska Department of Transportation
& Public Facilities
- **Fran Strouse**,* Kimball Corporation
- **Thomas Thatcher**, Kimball Corporation
- **Alan Thompson**, Southern California Association of Governments
- **Alceste Venturini**, Jacobs Consultancy
- **Stephanie Ward**, Mead & Hunt, Inc.
- **Gregg Wollard**,* Metropolitan Washington Airports Authority

TRB STAFF

- **Christine Gerencher**, Senior Program Officer
for Aviation & Environment

INSTITUTE OF TRANSPORTATION STUDIES, U.C. BERKELEY

- **Helen Bassham**, Technology Transfer Program

* Sponsorship Subcommittee

The symposium has been organized by the Transportation Research Board Committee on Aviation System Planning (AV020) in cooperation with the California Department of Transportation, Division of Aeronautics, and with the financial and in-kind support of the following sponsors:

SYMPOSIUM SPONSORS

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