

Airport Cooperative *Research Program* **ACRP**

*Transportation Research Board
500 Fifth Street, NW
Washington, DC 20001
Ph: 202/334- 3224
Fax: 202/334 -2006*

ACRP Oversight Committee

September 4, 2008

CHAIR

James Wilding
Independent Consultant

VICE CHAIR

Jeff Hamiel
*Minneapolis-St. Paul
Metropolitan Airports Commission*

MEMBERS

James Crites
Dallas-Fort Worth International Airport
Richard de Neufville
Massachusetts Institute of Technology
Kevin Doliolo
Unison Consulting, Incorporated
John Duval
Beverly Municipal Airport
Steve Grossman
Oakland International Airport
Tom Jensen
National Safe Skies Alliance
Catherine Lang
Federal Aviation Administration
Gina Marie Lindsey
Los Angeles World Airports
Carolyn Motz
Hagerstown Regional Airport
Richard Tucker
Huntsville International Airport

EX OFFICIO MEMBERS

Sabrina Johnson
U.S. Environmental Protection Agency
Richard Marchi
Airports Council International—North America
Laura McKee
Air Transport Association of America
Henry Ogrodzinski
National Association of State Aviation Officials
Melissa Sabatine
American Association of Airport Executives
Robert E. Skinner, Jr.
Transportation Research Board

SECRETARY

Christopher W. Jenks
Transportation Research Board

TO: Distribution

FROM: Michael R Salamone, CM, Program Manager
Airport Cooperative Research Program

Re: Request for FY 2009 ACRP Synthesis Topics

The Airport Cooperative Research Program (ACRP) is seeking potential synthesis topics for the **FY2009 ACRP Synthesis Program**. Closing date is **October 22, 2008**.

The ACRP is an industry-driven, applied research program that develops near-term, practical solutions to problems faced by airport operators. The Federal Aviation Administration sponsors the ACRP and the Transportation Research Board (TRB) of the National Academies manages the program. In addition, we coordinate the ACRP with many of the airport-industry's associations, including Airports Council International-North America, American Association of Airport Executives, National Association of State Aviation Officials, and Air Transport Association of America.

The ACRP Synthesis Program is a program within the ACRP that initiates approximately five synthesis studies annually addressing current practices of airport-industry practitioners. A synthesis report is a relatively short document (approximately 50 pages) that summarizes current practice in a specific technical area based typically on a literature review and a survey of relevant groups (e.g., airport operators or other organizations appropriate for the specific topic). At the end of this memorandum is a listing of synthesis topics authorized to date. Detailed descriptions of these topics are also available at <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=128>.

Note that syntheses merely summarize current practice. They do not undertake new research, nor do they contain policy recommendations. Synthesis reports are most valuable when they focus on issues common to many organizations. The primary users of the reports are the airport-industry practitioners who work on those issues using diverse approaches in their individual settings.

An oversight panel, consisting of airport-industry practitioners, governs the ACRP synthesis program. The oversight panel will meet this fall to select five synthesis topics for the FY 2009 synthesis program. In preparation for this selection process, this industry-wide solicitation intends to collect potential synthesis topics for consideration. The oversight panel will select topics from among the potential topics received through this solicitation. Accordingly, we invite you to submit any synthesis topics for consideration.

The Federal Aviation Administration sponsors the Airport Cooperative Research program; research projects are selected by the ACRP Oversight Committee, and the program is managed by the Transportation Research Board.

The closing date for submitting potential synthesis topics for FY 2009 is **October 22, 2008**. I have enclosed a suggested format for submitting a synthesis topic. The preferred method for submitting an ACRP synthesis topic is online at <http://www.trb.org/Studies/Synthesis/SynthesesSubmittal.asp>. You may also submit a topic via FAX to (202) 334-2006 or e-mail to msalamone@nas.edu.

Again, the synthesis oversight panel meets this fall to select five topics for the FY 2009 synthesis program. After selecting a synthesis topic, we form a topic panel to discuss the intent of the topic and further develop a scope of work for the contract author. Contract authors, obtained through a competitive process, conduct the syntheses research in accordance with the detailed scope developed by the topic panel for each synthesis topic. For each synthesis topic, the author's nominal scope will be (1) to locate and correlate related material; (2) to learn what practices, solve or alleviate the problem; (3) to identify all ongoing related research; (4) to learn what problems, related to the topic, remain largely unsolved and; (5) to organize, evaluate, and document the useful information that is collected.

Thank you very much for your consideration. Your willingness to participate and identify relevant airport synthesis topics is a key element of a successful, industry-driven research program like ACRP. Should you have any questions or need additional information, please feel free to contact me at (202) 334-1268 or msalamone@nas.edu.

Enclosure

ACRP Synthesis Topics Approved to Date

Completed/Published

<u>Synthesis</u>	<u>Title</u>
1	Innovative Finance and Alternative Sources of Revenue for Airports
2	Airport Aviation Activity Forecasting
3	General Aviation Safety and Security Practices
4	Counting Aircraft Operations at Non-Towered Airports
5	Airport Access Mode Choice Models
6	Impact of Airport Pavement Deicing Products on Aircraft and Airfield Infrastructure
7	Airport Economic Impact Methods and Models
8	Common-Use Facilities and Equipment at Airports

Current/Unpublished

<u>Synthesis</u>	<u>Title</u>
S02-01	Effects of Aircraft Noise: Research Update on Selected Topics
S02-02	Airport Sustainability Practices
S02-03	A Compilation of Airport Noise Programs in Areas Outside DNL 65
S02-04	Approaches to Integrating Airport Development and Federal Environmental Review Processes
S03-04	Airport System Planning Practices
S03-05	Effective Practices for Preparing Airport Improvement Program (AIP) Benefit-Cost Analysis
S04-02	Preventing Vehicle-Aircraft Incidents During Winter Operations and Periods of Low Visibility
S04-03	Identification of the Requirements and Training to Obtain Driving Privileges on Airfields
S09-01	Airport Rubber Removal Techniques to Minimize Damage on Grooved Runways

**SUGGESTED FORMAT
FOR
RECOMMENDED SYNTHESIS TOPICS**

Synthesis of Information Related to Airport Problems

- TITLE:** Preferably ten words or less.
- SUBMITTED BY:** Name of submitter and organization.
- SCOPE:** This statement should be brief (i.e. one or two paragraphs), but there is not a limit on length. It should describe the problem and identify the subject elements to examine in the synthesis. The scope you propose in this synthesis topic study should be attainable in approximately 400 hours of professional time for a contracted author.
- INFORMATION SOURCES:** (Optional) List organizations, individuals, or literature references that may be useful in researching the topic.

Submit topics to <http://www.trb.org/Studies/Synthesis/SynthesesSubmittal.asp>.

Alternatively, send topics to

Michael R Salamone, CM
Program Manager, ACRP
Transportation Research Board
500 Fifth Street, NW
Washington, DC 20001
FAX 202/334-2006
msalamone@nas.edu