




**Meeting of the
Air Transportation Systems
Technical Committee**

April 24, 2002

in conjunction with the
Global Air & Space Conference
Hyatt Regency Crystal City
Alexandria, Virginia

Thank you to everyone who was able to make the trek to DC for this meeting. For those unable to attend this time around, we look forward to seeing you on the next go 'round in L.A. this October!

<h1>Agenda</h1>		
Agenda Introductions Administrivia Current activities Basics Inventory of ATS expertise Organization Future activities Next up... Action items	8:00 – 8:30	New & prospective member orientation
	8:30 – 9:00	Breakfast meet & greet
	9:00 – 11:00	TC meeting General announcements Current activities Organizational stuff Future activities Wrap-up
	11:00 – 2:30	Lunch break
	2:45 – 4:00	Panel discussion with members of the President's Commission on the Future of the U.S. Aerospace Industry http://aerospacecommission.gov
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All TC members are welcome and invited to attend the new/prospective member orientation.

A continental breakfast will be provided for everyone between 8:30 and 9am.

We have an extended lunch break which you may spend as you like. Nothing formal is planned. There is a Bar & Grill at the Hyatt for those who would like to lunch there.

The afternoon panel discussion is part of the Global Air & Space program. TC members are invited to attend at no charge.

Introductions



- Continuing members
- New member
 - Dr. Stanley Woodard
 - NASA Langley
 - <http://aiaa.org/tc/ats/woodard.html>
- Prospective members
 - Ms. Mary Reveley
 - NASA Glenn
 - <http://aiaa.org/tc/ats/reveley.html>
 - Mr. David Maroney
 - MITRE CAASD
 - <http://aiaa.org/tc/ats/maroney.html>

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Dr. Woodard is our newest member, hailing from NASA Langley. He is a flight test engineer with a Ph.D. from Duke, interested in aircraft health monitoring systems, among other things.

We have two prospective members attending today's meeting as well:

Ms. Reveley is a researcher at NASA Glenn with an MBA. Her interests focus on aviation safety technologies, their impact on aviation safety, and the economic cost analyses to support them.

Mr. Maroney is a systems engineer at MITRE CAASD with a master's degree from UVa. His interests are in air traffic procedural enhancements and the analysis of NAS constraints.

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Administrivia




- Secretary for a day
 - Need someone to write the meeting minutes
 - Do this once and you get a term exemption

- TC roster
 - Review your AIAA contact information
 - <http://aiaa.org>
 - Select “Members only”, then “Change/update member information”
 - Verify information is correct; make changes as necessary
 - If you’re not in the database, it’s because your membership has lapsed... pay up before the AIAA goons come calling! You can renew via the website.
 - Check your info on the TC website for currency
 - Contact info, professional interests, bio, photo
 - If information is posted that you do not want posted, notify webmaster (Todd)

By volunteering to be the scribe and write up the meeting minutes, you get an exemption for the rest of your 3-year term in the TC. (Stay for another term, and the exemption expires!)

We need to get current. Go to the AIAA website and make sure that your info there is correct. This is the same info that the TC uses. When you’re done with that 2-minute job, take another 40 seconds to browse your bio information on the ATS TC website (<http://aiaa.org/tc/ats/people.html>). If it’s old or, worse yet, non-existent, submit to Todd an update in whatever electronic format is most convenient for you.

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The ATIO planning committee meets on Tuesday, the day before this meeting. We'll report on the new developments.

Dan will update us on the outcome of the FAA's plan to enlist our assistance in reviewing the hundreds of suggestions that came into its security hotline following Sept. 11.

We're looking for appropriate submittals for the Journal of Aircraft's special issue on air transportation systems coming in Sept '03 (or so). If you're interested in contributing, speak up.

We've written a brief article for the Young Professionals semi-annual newsletter. The article introduces some of the issues affecting civil aviation today and discusses the research areas and career opportunities. A sidebar to the article details the mission and charter of the ATS TC.

J.P. handled our end of the Speas Award process for the TC this year. He'll report out on that. The next page provides some basic background on the award itself.

Speas Award



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- Jay Hollingsworth Speas Airport Award

This award was established in 1983 and is co-sponsored by AIAA and the American Association of Airport Executives, and Airport Consultants Council. It is presented annually each Spring during the AAAE/ACC Airport Planning, Design, and Construction Symposium to the person or persons judged to have contributed most outstandingly during the recent past towards achieving compatible relationships between airports and/or heliports and adjacent environments. Examples of airport-environmental enhancement include noise abatement for aircraft engines; aircraft flight-path modification to reduce time and space requirements for take-off and landing; airport design to improve compatibility with the surrounding area; and airport area ground-transportation systems to increase ease of airport use while minimizing interface with normal lifestyles and the ecosystem. The award consists of a certificate and a \$7,500 honorarium to the recipient.

Nominations are due on or before April 15 of each year.

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Back to basics



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- Privilege of TC membership
 - Think of the TC as your support group as you set about to advance your ATS interests
 - Everyone should get to have a stake in what this TC does
 - a responsibility, a role, or a pet project
 - not talking major commitment here... just have an interest and pursue it; the TC will help you do this
- Expectations of TC membership
 - no silent members! no hangers on! :-)

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If you find, upon introspection, that you don't really want to have a stake in the TC (i.e., a project, a role), that's no crime. That's just an indication that you're probably ready to move on... to either the Alumni Board or to other pursuits in life. In either case, congrats! But please be honest with yourself and with your fellow TC members about your availability and desire to renew your commitment to the TC. No silent members; no hangers on! :-) Have an interest, and pursue it with the TC's help!

The Alumni Board is a group of former ATS TC members. They are no longer formal members of the TC, but instead comprise an esteemed group of trusted, valued advisors on whom the TC can call on an ad-hoc basis. The Alumni Board will admit its inaugural class, the Class of 2002, on June 1, 2002. Prospective members need to declare by then to be eligible.

Inventory of ATS TC expertise

ATS TC

1. Analysis & development of ATC systems
2. Planning and design of airports, airbases, & airport systems
3. Modernization of the air transportation infrastructure
4. Forecast and analysis of air transportation system changes
5. Airline marketing and business practices
6. Economic analysis of air transportation systems
7. Planning and scheduling
8. Safety of air transportation
9. Application of systems analysis techniques

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We need to get an inventory of our technical expertise. Which of these areas do you consider your area of expertise (may be more than one)? What areas of expertise are missing from this list? Add them in. Please respond to Todd.

When in doubt, re-org



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- The return of subcommittees

Public policy	Inform Congress and the public about the critical ATS issues and consequences of uninformed actions or, worse, inaction
Media relations	Educate the media and the public about the critical ATS issues, underlying causes, and why they should care
Education	Develop educational resources, programs, etc. which can be implemented by AIAA local sections and/or student chapters. Develop short courses or textbooks for AIAA.
Publications	Pursue development of new ATS-oriented periodical/journal or coordinate special ATS issue of an existing AIAA journal.
Alumni club	Group of former ATS TC members. No longer formal members of the TC, but an esteemed group of trusted, valued advisors on whom the TC can call on an ad-hoc basis.
Steering	Chair, Vice-chair (i.e., Chair-elect), and Immed. past chair

Others? *Membership, Conferences, Young professionals, etc...*

This is not meant to be a complete list of subcommittees for our TC, nor is it meant to be a list of the necessary ones. Merely a bunch of possible ones. Your suggestions welcome.

TC organization



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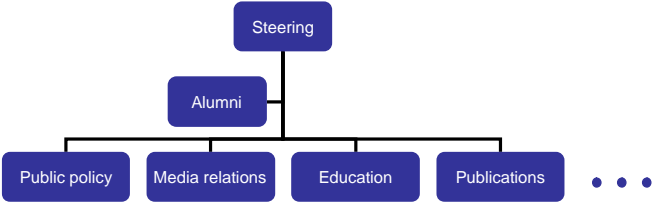
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graph TD
    Steering[Steering] --- Alumni[Alumni]
    Alumni --- PublicPolicy[Public policy]
    Alumni --- MediaRelations[Media relations]
    Alumni --- Education[Education]
    Alumni --- Publications[Publications]
    Publications --- Ellipsis[...]
        
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- At-large positions
 - Vice chair (a.k.a. chair-elect)
 - Immediate-past chair
 - Webmaster
- Ad-hoc positions
 - Secretary for a day
 - Liaison to other TC meeting (A/C Ops, ATM PC, etc.)
 - Working group?

Goal: Every member attached to a position and/or a subcommittee. More importantly, every member has a mission.

Nominations for vice chair are now officially open. The vice chair supports the chairperson in all duties as assigned, serves in the absence of the chairperson, and is the heir to the throne upon the end of the chairperson's 2-year reign, or in the event of his untimely demise.

Ad-hoc positions are transitory and are rotated freely. One goal is to have ATS TC reps attend the meetings of other relevant TC's, and vice versa. For example, Jim Cistone sits on the ATM PC, so there we automatically have a conduit for information between our TC and theirs. That's great. It would be good to have a rep at some of the other TC meetings, too. We would try to call on someone who lives in the area local to the meeting site, so as not to require travel.

Future activities

- ATIO Forum '03
- Develop 3-year plan
 - Programs
 - Publications
 - Membership
 - yadda, yadda, yadda

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No formal planning has taken place yet with regard to ATIO '03, but it will have to start very soon. We should kick around ideas for how we can continue to build this event into something that people plan their conference schedules around.

We won't come up with a 3-year plan at this meeting... far from it. But we will give it some thought, brainstorm some goals for the next few years, and initiate the planning process.

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	<ul style="list-style-type: none">• TC telecon<ul style="list-style-type: none">– June or July; 1 hour– close action items from today's meeting– refine TC organization and goals– refine subcommittee membership and projects
	<ul style="list-style-type: none">• Meeting<ul style="list-style-type: none">– October 1 or 2– In conjunction with the AIAA Aircraft Technology, Integration and Operations (ATIO) Forum http://aiaa.org/events/atio/– Los Angeles
	<ul style="list-style-type: none">• Monitor the ATS TC website: http://aiaa.org/tc/ats/<ul style="list-style-type: none">– agendas and updates on these and all ATS TC activities, meeting minutes, committee assignments & projects, etc.
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To follow-up on this meeting and to facilitate more members' participation, we'll have a telecon in the next couple of months. The purpose will be to finalize some of the organizational issues we've discussed, and to establish an agenda for each subcommittee to pursue offline.

The next face-to-face TC meeting will be at ATIO in Los Angeles this coming October 1st or 2nd.

Agendas, meeting minutes, and other details of TC operations will be posted on our ATS TC website. Keep it handy.

Action items for everyone!



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- Nobody gets off free
 1. Check accuracy of your membership info via AIAA website
 2. Visit TC web site; bookmark it
 3. Confirm personal info on "People" page
 4. If you don't have a bio page, submit info to Todd
 5. Determine your area(s) of expertise; if you don't see it in the list, write it in
 6. Determine your interest in the TC
 - What subcommittee, role, or pet project interests you; if you don't see it in the list, write it in
 - Else, consider moving into the ATS TC Alumni Club
 - direct questions to Todd
 - Class of 2002 to be admitted on June 1
 7. Put ATIO '02 on your calendar – our next TC meeting (L.A.)

All TC members are getting nailed with action items out of this meeting, regardless of whether you were fortunate enough to be here for the meeting in person or not. Please set aside 10 minutes to attend to these. I sincerely appreciate your cooperation.

It's over. Go away.



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Thank you to everyone for making this meeting a productive one. For those in attendance, I sincerely appreciate your time, effort, and interest in coming. For those unable this time around, I certainly understand, and thank you for your attention to this "virtual" meeting. I look forward to hearing back from you.

I hope this has been useful in helping you to identify a niche where your interests and efforts, amplified by the support of the TC, can really begin to make a difference.

Being new at this game, I'm more than open to your criticisms, suggestions and advice. Please don't hesitate to gimme a call.

Best,
Todd

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