



ISASI **2023** **SEMINAR**

Hosted by the
Southeast Regional Chapter
Aug. 21 – 24

NASHVILLE
TENNESSEE



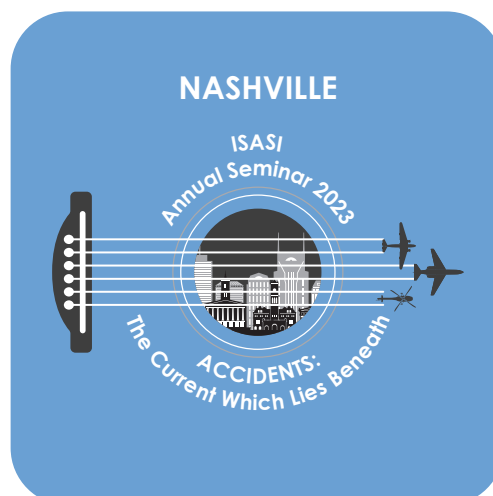
On behalf of the International Society of Air Safety Investigators (ISASI), it is my pleasure to welcome you to the 2023 ISASI Seminar in Nashville, TN.

I know that you will enjoy the seminar and I hope you are able to get out on Wednesday evening to experience what this great city has to offer.

Respectfully,

Barbara Dunn

*President, International Society of Air Safety
Investigators (ISASI)*



GOLD SPONSORS



AIRBUS



BOEING



DELTA



EMBRAER

SILVER SPONSORS




LOCKHEED MARTIN




Southwest®



USC University of Southern California

BRONZE SPONSORS



Gulfstream™
A GENERAL DYNAMICS COMPANY



jetBlue®



Parker Aerospace

WRIGHT BROTHERS SPONSORS



EXHIBITORS




EMBRY-RIDDLE
Aeronautical University

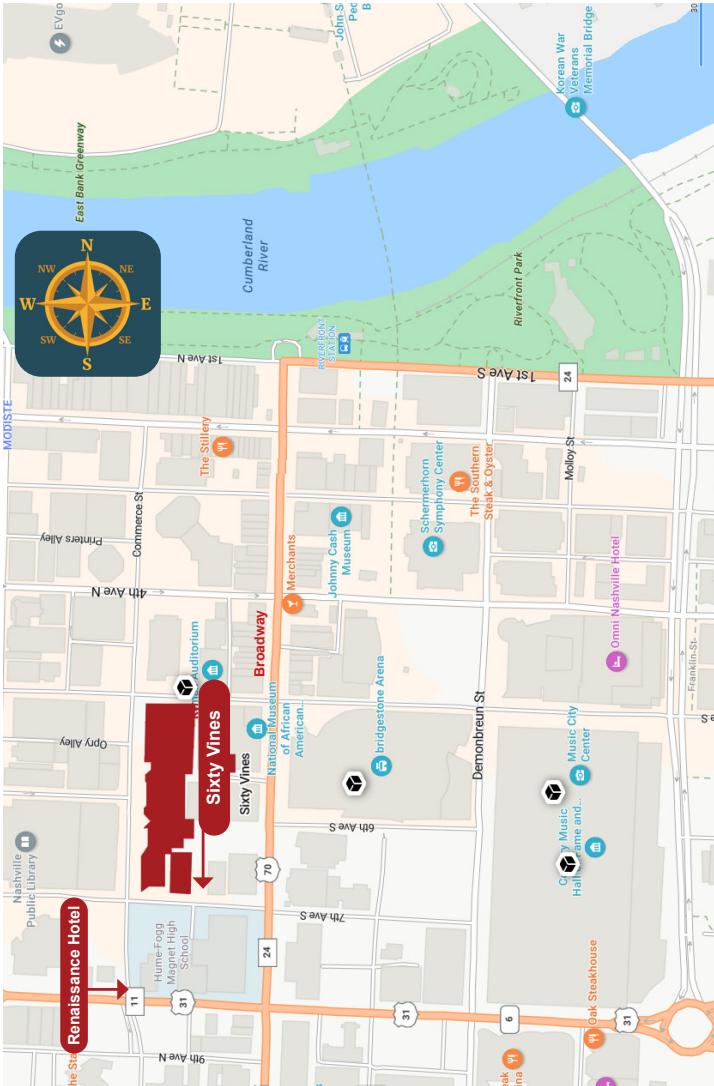


SCSI
SOUTHERN CALIFORNIA
SAFETY INSTITUTE




LEONARDO DRS





Map of Hotel Location and other key areas.

PROGRAM OVERVIEW FOR THE 2023 ISASI SEMINAR IN NASHVILLE, TN

*Located in the Renaissance Nashville Hotel
611 Commerce Street, Nashville, Tennessee 37203
(615) 255-8400*

31 Speakers and Presentations

Presentations: Twenty-six (26) at 25 minutes each with 5 minutes for transition, questions and introductions

Keynote Speakers: Three (3) at 25 minutes each

Kapustin Award Presentations: Two (2) at 10 minutes each

Registration: Sobro Foyer, Level 1

Exhibitors: Broadway Foyer, Level 1

Network: Renaissance_CONFERENCE
WiFi Password: ISASI2023

“Accidents: The Current Which Lies Beneath!”

DAILY EVENT SCHEDULE

MONDAY, AUGUST 21, 2023

7:00 – 8:30

Breakfast (Broadway 1)

8:30 – 11:30

Tutorial 1, Elemental Fracture Analysis Part I, Germantown 1

“Outside the Envelope and Other Structural Failures, Part I” – Jack Cress, Vortech Analytics

8:30 – 11:30

Tutorial 2, Military Accident Investigation Part I, Germantown 2

“Military Accident Investigation, Part 1” – Christopher Field, The Boeing Company, and Wing Commander Andrew Green, UK, Defence Accident Investigation Branch (DAIB)

11:30 – 1:00

Lunch, Broadway 1

Afternoon:
Continuation of Tutorials

2:30 - 3:00

Afternoon Break

1:00 – 4:00

Tutorial 1, Elemental Fracture Analysis Part II, Germantown 1

“Outside the Envelope and Other Structural Failures, Part II” – Andy McMinn, P.E., Metallurgical Air Safety Investigations, LLC

1:00 – 4:00

Tutorial 2, Military Accident Investigation Part II, Germantown 2

“Military Accident Investigation, Part II” – Christopher Field, The Boeing Company and Wing Commander Andrew Green, UK, Defence Accident Investigation Branch (DAIB)

6:00 – 8:00

ISASI Welcome Reception

Broadway 1 (with sponsored magician and mentalist)



 **Joe Skilton**

JOE SKILTON IS PROUDLY SPONSORED BY
THE SOUTHEAST REGIONAL CHAPTER (SERC)

Joe Skilton, an award-winning magician & mentalist is ISASI's guest entertainer this evening. He will bring you a magical, memorable experience as he roams the Ballroom.



SRCA

Safety Research Corporation of America

Program Boards Sponsored by Southeast Regional Chapter (SERC)
and Safety Research Corporation of America (SRCA)

DAILY EVENT SCHEDULE

TUESDAY, AUGUST 22, 2023

TUESDAY MORNING EVENTS BROADWAY 2 AND 3

7:00 – 8:30

Breakfast (Broadway 1)

8:30 – 8:35

Opening Morning Moderator

Bob Rendzio, President Southeast Regional Chapter, and the ISASI 2023 Local Seminar Chair

8:35 – 8:40

Official Seminar Welcome

Barbara Dunn, ISASI President

8:40 – 9:05

Keynote Speaker

Honorable Jennifer Homendy, Chair, National Transportation Safety Board (NTSB)

9:05 – 9:15

Announcement of Scholarship Recipients

Chad Balentine, ISASI Secretary

9:15 – 9:25 (Kapustin Scholarship Presentation)

The Growing Role of Artificial Intelligence in Aviation Safety and the necessity to Create Strong Protocols in the Context of Current Global Conditions and with the Advent of Autonomous Flight

S. Torres, University of Southern California (USC)

9:25 – 9:55

TransAir Flight 810, Boeing 737-200 Search and Recovery

C. Crookshanks, National Transportation Safety Board (NTSB)

9:55 – 10:25

Announcements and Break

10:25 – 10:55

Benefit of Follow-up Safety Recommendation Investigations

J. Burtenshaw, New Zealand Transport Accident Investigation Commission (TAIC) and M. Hijum and G. Vogelaar, Dutch Safety Board (DSB)

10:55 – 11:25

Investigation Methodologies Used by Aviation Accident Investigation Authorities

K. Bills, Edith Cowan University, Australia

11:25 – 11:55

Helicopter Mountain Rescue Case Study of Underlying Factors

S. Drost, Sikorsky Aircraft

11:55 – 12:00

Announcements

12:00 – 1:30

Lunch, Broadway 1

TUESDAY AFTERNOON EVENTS, BROADWAY 2 AND 3

Afternoon Moderator – Jim Burtenshaw

1:30 – 2:00

Accident Investigation during Extenuating Circumstances

Col. Bahman Forghani (retired), Imperial Iranian Air Force (IIAF/IRIAF) and M. Jahanbin, Embry Riddle Aeronautical University(ERAU)/SpaceX

2:00 – 2:30

Saab 2000 Runway Excursion in Dutch Harbor, Alaska

S. Silva, NTSB

2:30 – 3:00

Announcements and Break

3:00 – 3:30

A System Theoretic Look at Severe Weather Encounters

S. Malmquist, Florida Institute of Technology

3:30 – 4:00

Incorrect QNH Setting During Barometric Approach

P. Labro, Airbus

4:00 – 4:05

Day's Conclusion and Announcements

4:05 – 5:00

National Society Meetings

U.S.,(Broadway 2 & 3), Canadian, (Germantown 1), European, (Germantown 2), ASIA (Germantown 3)

6:00 – 9:00

Off-Site Dinner, Sixty Vines

(5055 Broadway Place, six-minute walk)

SIXTY VINES™



Program Boards Sponsored by Southeast Regional Chapter (SERC)
and Safety Research Corporation of America (SRCA)

DAILY EVENT SCHEDULE

WEDNESDAY, AUGUST 23, 2023

WEDNESDAY MORNING EVENTS, BROADWAY 2 AND 3

7:00 – 8:30

Breakfast (Broadway 1)

Morning Moderator – Stacey Jackson

8:00 – 8:05

Morning Announcements

8:05 – 8:30

Keynote Speaker

Angus Mitchell, Chief Commissioner and Chief Executive Officer, Australian Transport Safety Bureau (ATSB)

8:30 – 8:40 (Kapustin Scholarship Presentation)

Employing Artificial Intelligence to Mitigate Professional Bias in Air Safety Investigation

N. P. Miranda, Cranfield University

8:40 – 9:10

Unnoticed Dual Inputs on Boeing 777

M. Clavel, Bureau d'Enquêtes et d'Analyses (BEA)

9:10 – 9:40

Aviation Emergency Response Planning

B. Fowles, Transport Canada

9:40 – 9:45

Remembering those that served ISASI

F. Del Gandio, Executive Advisor

9:45 – 10:15

Announcements and Break

10:15 – 10:45

Flight Data Monitoring Versus Air Safety Reports: Why Are the Most Severe Events Less Reported by Pilots?

G. Braithwaite, W-Chin Li and A. Nchanian, Cranfield University

10:45 – 11:15

Investigating Language Factors in Aviation Accidents

E. Mathews, Embry Riddle Aeronautical University (ERAU)

11:15 – 11:45

Influencing Cabin Safety (Helicopter Ditching in Cairns, North Queensland)

S. Rice, Chair, Asia Pacific Cabin Safety Working Group (APCSWG)

11:45 – 11:50

Announcements

11:50 – 1:20

Lunch, Broadway 1

WEDNESDAY AFTERNOON EVENTS, BROADWAY 2 AND 3

Afternoon Moderator – Nuno Aghdassi

1:20 – 1:50

Beechcraft 65-A90 King Air Accident Involving Previous Structural Damage

P. Basile, Textron Aerospace

1:50 – 2:20

Investigating for Safety Management System Failures

E. Parker, Beyond Risk Management Ltd., and M. Plottel, GC Safety Solutions

2:20 – 2:50

Announcements and Break

2:50 – 3:20

Translating Human Factors Related Investigation Findings into Practical Actions

H. Fitzpatrick, JetBlue Airways

3:20 – 3:50

Heli Offshore Industry Action Plan on Night Deck Landing Practices

T. Rolfe, HeliOffshore

3:50 – 4:00

Announcements and Introduction of ISASI Working Groups

4:00 – 5:00

ISASI Working Group Meetings

Cabin Safety (Germantown 2), Human Factors (Germantown 3), Government ASIs (Germantown 4)

Evening Activity: Free, on your own



Program Boards Sponsored by Southeast Regional Chapter (SERC) and Safety Research Corporation of America (SRCA)

DAILY EVENT SCHEDULE

THURSDAY, AUGUST 24, 2023

THURSDAY MORNING EVENTS, BROADWAY 2 AND 3

7:00 – 8:30

Breakfast (Broadway 1)

Morning Moderator – David Ryan

8:00 – 8:05

Announcements

8:05 – 8:30

Keynote Speaker

David Gerlach, Senior Air and Space Accident Investigator, Federal Aviation Administration (FAA)

8:30 – 8:55

Unique Investigation Technical Assistance at the Manufacturer

E. East and J. Zeiger, The Boeing Company

8:55 – 9:20

What Makes an Effective Safety Recommendation

P. Sleight, UK, Air Accidents Investigation Branch (AAIB)

9:20 – 9:25

Student Mentoring Program

A. Brickhouse, Chair of the ISASI Student Mentoring Program, and Associate Professor at ERAU

9:25 - 9:55

Announcements and Break

9:55 – 10:25

Wet-Runway Overruns: Still a Slippery Problem

J. O'Callaghan, NTSB

10:25 – 10:55

Human Factors Failure Modes and Effects Analysis (HF - FMEA) - Tools for Pre-Mishap and Post-Mishap Investigation

D. Hollaway and C. Pohlen, National Aeronautics and Space Administration (NASA)

10:55 – 11:25

Accident Investigation - Sydney Seaplanes DHC-2 Collision with Water Accident

Angus Mitchell, Chief Commissioner and Chief Executive Officer, Australian Transport Safety Bureau (ATSB)

11:25 – 11:55

ISASI Members Meeting

11:55 – 12:00

Announcements and Morning Recap

12:30 – 1:30

Lunch, Broadway 1

THURSDAY AFTERNOON EVENTS, BROADWAY 2 AND 3

Afternoon Moderator – Shannon Masters

1:30 – 2:00

Distracted Takeoffs with Disastrous Results

J. Egeler, Mission Safety International

2:00 – 2:30

Unauthorized Takeoffs from Taxiways: An In Depth Analysis of Past Occurrences

G. Van Es, Netherlands Aerospace Centre (NLR)

2:30 - 3:00

Announcements and Break

3:00 – 3:30

Miracle at Beja

D. Kozbagarov, and D. McNair, Air Astana

3:30 – 4:00

The Investigation Spirit

A. Urdirroz, Airbus

4:00 – 4:15

2024 ISASI Lisbon, Portugal Seminar Preview

Nuno Aghdassi

4:15 – 4:30

Announcements and Closing Ceremony

Barbara Dunn, ISASI President

6:00 p.m. to 7:00 p.m. President's Cocktail Hour
(with sponsored quartet during this event)

7:00 p.m. to 10:00 p.m. Awards Banquet, Broadway 1, 2, and 3

10:00 p.m. President's Closing Remarks



The acclaimed Music City String Quartet is one of the most sought-after Nashville based ensembles. The group performs both classical music, as well as original arrangements of popular contemporary songs, bringing a level of artistry and professionalism to ISASI Members

THE MUSIC CITY STRING QUARTET IS PROUDLY SPONSORED BY
SAFETY RESEARCH CORPORATION OF AMERICA



Program Boards Sponsored by Southeast Regional Chapter (SERC)
and Safety Research Corporation of America (SRCA)

DAILY EVENT SCHEDULE

FRIDAY, AUGUST 25, 2023

Afternoon

Optional Tours on your own

Dinner

On your own

5:15 (front of hotel on 7th)

Motorcoach staged

5:30

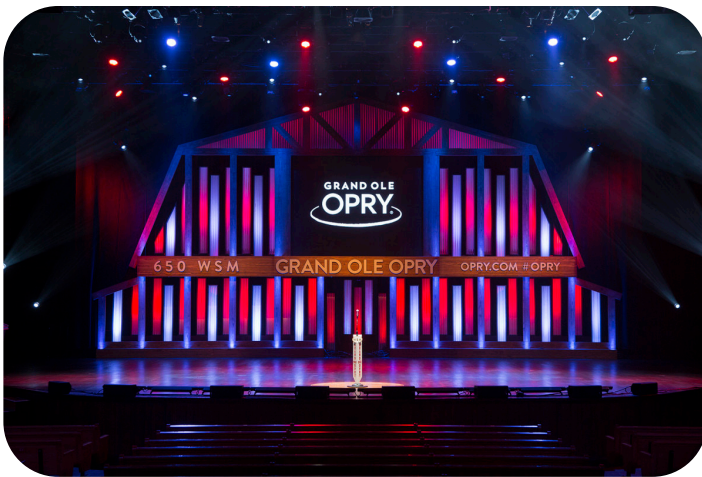
Motorcoach departure

7:00 to 10:15

Attend the Grand Ole Opry, live radio show, and Backstage Tour

11:00

Return to Hotel



The Grand Old Opry is the longest running live radio show, celebrating its 97th birthday this October. During the Backstage Tour, get an exclusive look at what happens on the other side of the curtain of the show that made country music famous.

Companion Program

Day 1 - Tuesday

Breakfast in Broadway 1: 7:00 - 8:30

Meet in hotel lobby: 10:15

Motorcoach staged at hotel: 10:30

Motorcoach departs: 11:00

Morning: The tour will start with a visit to the Country Music Hall of Fame (self-guided tour). It is the world's largest single genre music museum in the world.

Lunch: Peg Leg Porker, a family owned and operated restaurant.

Afternoon: After lunch, you will depart for a guided tour of "Studio B", where Hall of Fame members and music legends cut tracks, wrote songs, and made history.

Arrive back at the hotel by 5:00.

Companion Program

Day 2 - Wednesday

This program has two groups (1 & 2)

Breakfast in Broadway 1: 7:00 - 8:30.

Meet in hotel lobby: 9:45 for tour guides (Group 1 & 2)

Depart for walking tour: 10:00 (Group 1 & 2)

Morning (Grp 1), Afternoon (Grp 2): The walking tour will start at the Johnny Cash/Patsy Cline Museums. They are the largest and most comprehensive personal collection of Johnny Cash/Patsy Cline artifacts and memorabilia in the world.

Lunch: Lunch at Johnny Cash's Bar and BBQ, a restaurant that recreates the warmth and authenticity of Johnny and June Cash's home.

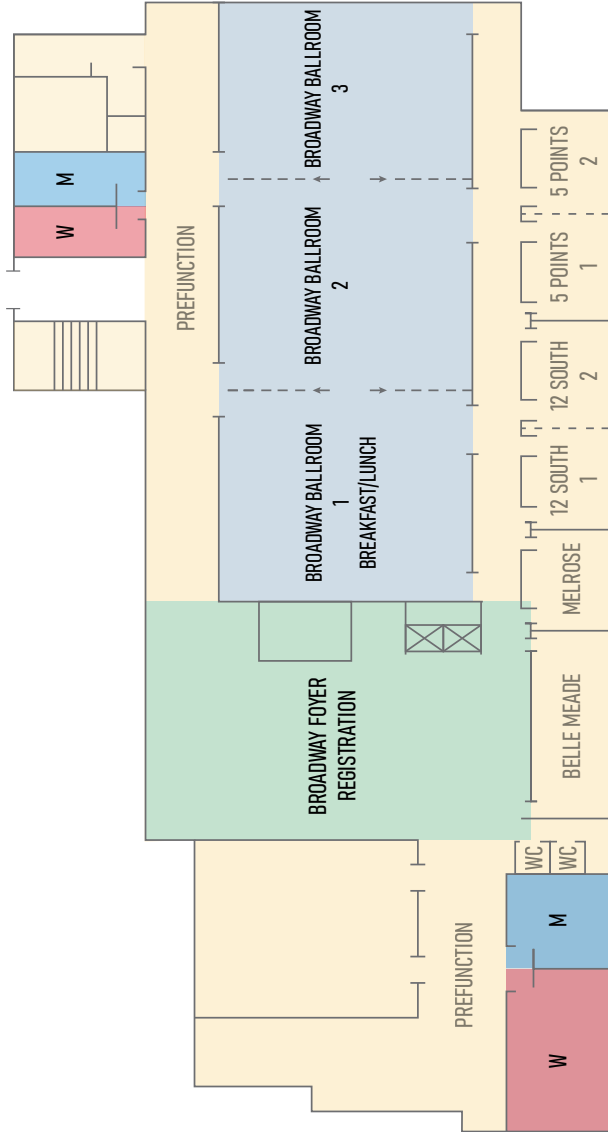
Afternoon (Grp 1), Morning (Grp 2): After lunch, walk over to the Goo Goo Cluster for an exclusive Candy Making Class.

Arrive back at the hotel by 4:00 (Both Groups).

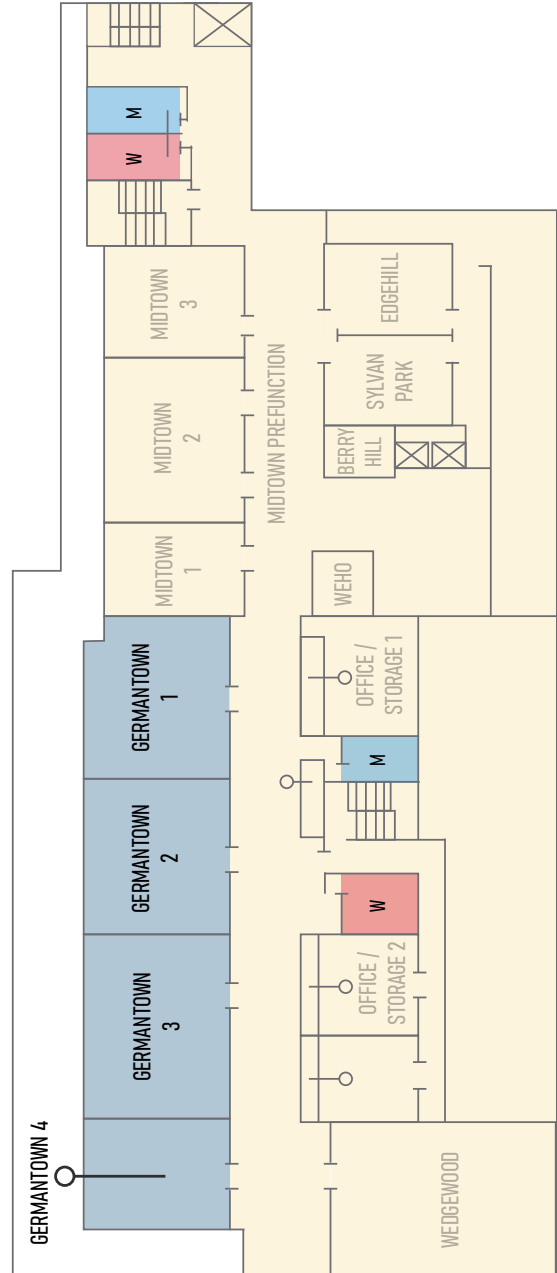


Program Boards Sponsored by Southeast Regional Chapter (SERC)
and Safety Research Corporation of America (SRCA)

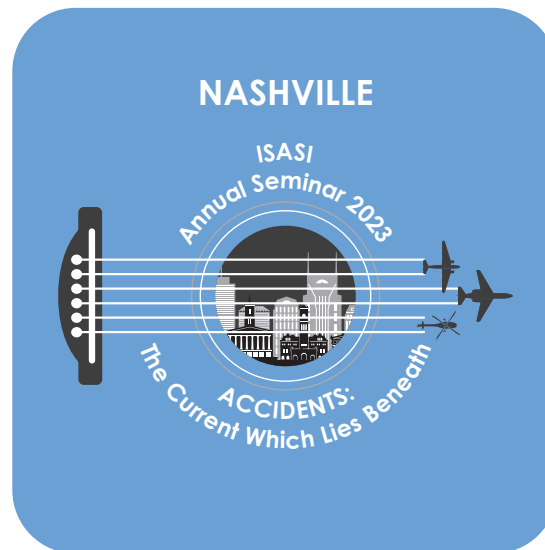
MEETING SPACES



MEETING SPACE LEVEL 1



MEETING SPACE LEVEL 2



On behalf of the Southeast Regional Chapter, we
thank you for being with us in Nashville, Tennessee.

Bob Rendzio, President
Anthony Brickhouse, Vice President
Alicia Storey, Treasurer and
Members of the SERC.

Special thanks to our Keynote Speakers
Honorable Jennifer Homendy, Chair, NTSB,
Angus Mitchell, Chief Commissioner and
Chief Executive Officer, ATSB,
&
David Gerlach, Senior Air and Space Accident
Investigator, FAA

