



AEROSPACE MEDICAL ASSOCIATION 94TH ANNUAL SCIENTIFIC MEETING ADDITIONAL ACTIVITIES



May 3–10, 2024
Special Events, Meetings, and Luncheons

Registration Information

Badge pickup at ADVANCE REGISTRATION is for anyone who has registered in advance!

Badges are issued only at the registration desk, which will be open Sunday through Thursday. For security reasons, admission to scientific sessions and exhibits is limited to those wearing badges. Please wear your badge at all times.

Registration Desk hours are as follows:

- Sunday 10:00 a.m. – 6:00 p.m.
- Monday 7:00 a.m. – 4:00 p.m.
- Tuesday 8:00 a.m. – 12:00 p.m.; 2:00 p.m. – 4:00 p.m.
- Wednesday 8:00 a.m. – 4:00 p.m.
- Thursday 8:00 a.m. – 2:00 p.m.

Exhibit hours: Sunday Welcome Reception, 6:30 p.m. – 8:30 p.m.; Monday and Tuesday 9:30 a.m. – 4:30 p.m.

AsMA Special Rooms

AsMA WING HOSPITALITY & REGISTRATION

- Plaza Ballroom A
- Sunday, 1:00 p.m. – 5:00 p.m.
- Monday, 10:00 a.m. – 1:30 p.m.

FAA AME SEMINAR

- Grand Hall LMN all week

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Undersea and Hyperbaric Medical Society and the Aerospace Medical Association. The Undersea and Hyperbaric Medical Society is accredited by the ACCME to provide continuing medical education for physicians.

LEARNING OBJECTIVES

Upon completion of this educational activity, attendees will:

- Learn about evolving trends and best practices in aerospace-medicine;
- Apply principles of evidence-based medicine, operational risk-management, and aeromedical decision-making in aircrew selection and clinical aerospace medicine practice;
- Analyze mechanical, human performance, and systems integration factors in aviation mishaps and safety programs;
- Identify mechanical, biological, social, cognitive, environmental stress, and systems factors that impact optimal human performance and decision-making in the full spectrum of aerospace operations;
- Apply ethical principles to aerospace medicine decision-making and foster competency in professionalism and systems-based practice in the application of aerospace medicine skills, teamwork, and interoperability in a multidisciplinary professional environment.

TARGET AUDIENCE

This continuing medical education activity should be of substantial interest to physicians and physicians-in-training in aerospace medicine. These aerospace medicine professionals include civilian Aviation Medical Examiners (AMEs), military flight surgeons, and flight surgeons supporting space medicine programs. Additional audiences include research professionals and other members of the aerospace medicine team (Flight Nurses, Aerospace Physiologists, Aerospace Psychologists, Human Factors Experts, Aerospace Medicine Physician Assistants, and others).

Complimentary Online Access

AGAIN THIS YEAR! All paid registrants will receive COMPLIMENTARY ONLINE ACCESS TO SESSION RECORDINGS. Online content will include speaker audio synced with Presentations, along with MP3 audio files. All files can be streamed or downloaded. Podiumcast will email log-in instructions 2–3 weeks after the meeting. Visit Podiumcast onsite in Chicago for a demo, or go to <https://www.podiumcast.com>.

Friday, May 3, 2024

COPE Meeting Plaza Ballroom B	8:00 a.m. - 5:00 p.m.
IAMA Membership Committee Meeting Plaza Ballroom A	3:00 p.m. - 4:00 p.m.
IAMA Executive Council Meeting Plaza Ballroom A	4:00 p.m. - 6:00 p.m.

Saturday, May 4, 2024

IAMA Exhibits Michigan 3	7:00 a.m. - 5:30 p.m.
IAMA Meal Room Michigan 2	7:00 a.m. - 5:30 p.m.
IAMA Scientific Meeting Michigan 1	7:30 a.m. - 5:30 p.m.
COPE Meeting Plaza Ballroom B	8:00 a.m. - 5:00 p.m.
NATO RTG 360 Aviation Cardiology Michigan Boardroom	8:00 a.m. - 5:00 p.m.
IAMA Reception and Dinner Grand Hall G-J	6:00 p.m. - 10:00 p.m.



Sunday Workshops

Aerospace Epidemiology—The Science of the Denominator

Randolph 1A & 1B 8:00 a.m. - 5:00 p.m.
(Designation Statement: The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 8.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.)

Clear Skies Ahead—Achieving and Sustaining Mental Wellness in the Aerospace System of Tomorrow

Michigan 1 8:00 a.m. - 5:00 p.m.
(Designation Statement: The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 7.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.)

Understanding and Managing Fatigue in Aviation

Roosevelt 3A & 3B 8:00 a.m. - 3:00 p.m.
(Designation Statement: The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 6.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.)

Sunday, May 5, 2024

Aerospace Physiology Certification Review Grand Suite 2B	7:00 a.m. - 4:00 p.m.
Aerospace Physiology Certification Testing Grand Suite 2A	7:00 a.m. - 2:00 p.m.
AsMA Registration Committee Meeting Michigan 2	8:00 a.m. - 9:00 a.m.
AsMA Council Meeting & Luncheon Grand Ballroom A	8:00 a.m. - 2:00 p.m.
All NATO RTGs Michigan Boardroom	8:00 a.m. - 5:00 p.m.
F-35 Aeromedical Community of Interest (ACOI) Grand Hall LMN	8:00 a.m. - 6:00 p.m.
Aerospace & Operational Medicine Corporate Board Roosevelt 1A & 1B	8:30 a.m. - 2:00 p.m.
IATA Medical Advisory Group Roosevelt 2	9:00 a.m. - 4:00 p.m.
ABPM Maintenance of Certification Exam Grand Suite 1	12:00 p.m. - 4:00 p.m.
ACGME RRC Updates Grand Hall I	1:00 p.m. - 4:00 p.m.

Visit AsMA on Social Media

Twitter/X: https://twitter.com/aero_med
FB: www.facebook.com/AerospaceMedicalAssociation
LinkedIn: www.linkedin.com/company/aerospace-medical-association-asma/

CAMA Sunday Grand Hall I, 8:00 a.m. - 12:00 p.m. (4 hours CME credit from AAFP)

8:00 a.m. - 9:00 a.m. Aubrey L. Florom-Smith, Ph.D., RN: Commercial Spaceflight: Future Steps—Implications for CAMA
9:00 a.m. - 10:00 a.m. Emmanuel Urquieta Ordonez, M.D., M.S.: Considerations in Commercial Spaceflight Human Research
10:00 a.m. - 10:15 a.m. BREAK
10:15 a.m. - 11:15 a.m. Charles H. “Chip” Dukes, M.D.: NASA’s Behavioral Health and Performance Services for Long-Duration Spaceflight Missions
11:15 a.m. - 12:15 p.m. Michael F. Harrison, M.D., Ph.D.: Would You Fly with This Commercial Astronaut?

Visit <https://www.asma.org/scientific-meetings/asma-annual-scientific-meeting-schedule> for more details.

CAMA Sunday is FREE & open to everyone.

AsMA Bylaws Committee Michigan 2	3:00 p.m. - 5:00 p.m.
AsMA GLOC Committee Roosevelt 1A & 1B	4:00 p.m. - 6:00 p.m.
AsMA Scientific Program Committee Meeting Roosevelt 3A & 3B	4:00 p.m. - 5:00 p.m.
AsMA Session Chairs Meeting Roosevelt 3A & 3B	5:00 p.m. - 6:00 p.m.
SMA Executive Committee Meeting Plaza Ballroom B	5:00 p.m. - 6:00 p.m.
AsMA Foundation Board of Directors Meeting Michigan 3	5:00 p.m. - 6:30 p.m.
U.S. Navy Aerospace Medicine Leaders Group Roosevelt 2	5:00 p.m. - 7:00 p.m.
Aerospace Physiology Society Board of Governors Meeting Michigan 2	5:00 p.m. - 8:00 p.m.
First Timers/New Members Meeting Grand Hall I	6:00 p.m. - 6:30 p.m.

Welcome to Chicago Reception Riverside East, 6:30 p.m. - 8:30 p.m.

Sponsored in part by Mayo Clinic, the Institute for Behavior Research, and Franklin Scientific



Monday, May 6, 2024

Richard "Dick" Trumbo 5K Preventive Medicine Run/Walk See maps to the right	5:00 a.m. - 8:00 a.m.
ASAMS Business Meeting & Breakfast Grand Hall LMN	7:00 a.m. - 8:30 a.m.
AsMA Education and Training Committee Michigan 2	7:00 a.m. - 8:00 a.m.
Society of USAF Flight Surgeons Board of Governors Meeting Roosevelt 1A & 1B	7:00 a.m. - 8:15 a.m.
Aerospace Human Factors Association (AsHFA) Meeting Michigan 3	7:00 a.m. - 8:15 a.m.

Opening Ceremony Grand Ballroom CDEF

7:30 a.m. Doors open
8:00 a.m. Welcoming remarks: Joseph Dervay, M.D., M.P.H., MMS, FACEP, FAsMA, FUHM, AsMA President
General Chair remarks: Jeffrey Sventek, M.S.
Nominating & Scientific Program Committee Reports
8:30 a.m. The 69th Louis Bauer Lecture
Lecturer: Dr. Harrison Schmitt, astronaut & former Senator
Topic: Human Space Adaptation - Apollo Experience - Honoring the Past ... Preparing for the Future
Educational support provided by KBR and AsMA
9:30 a.m. Exhibits open

ACC Breakout Session Roosevelt 1A & 1B	9:30 a.m. - 10:30 a.m.
AsMA Corporate Members Committee Meeting Michigan 2	9:30 a.m. - 10:30 a.m.
AsMA Scientific Program Committee Leadership Meeting Grand Hall K	10:00 a.m. - 10:30 a.m.
German Society of Aerospace Medicine Meeting Grand Hall K	12:00 p.m. - 2:00 p.m.

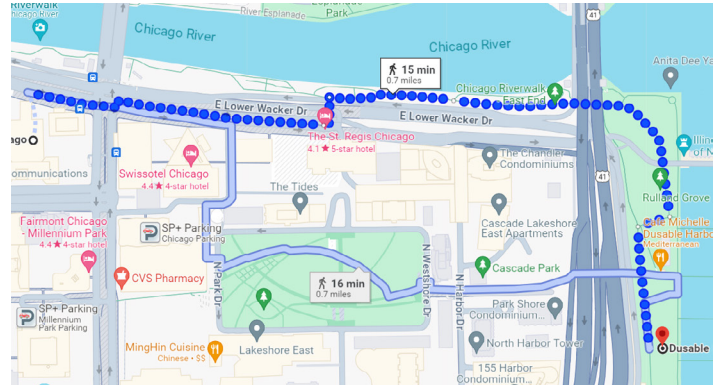
Monday Luncheons 12:00 p.m. - 2:00 p.m.

Society of USAF Flight Surgeons: Grand Ballroom CD North
Society of U.S. Army Flight Surgeons: Randolph 3
Aerospace Human Factors Association: Randolph 1A & 1B
U.S. Navy Luncheon: Roosevelt 3A & 3B
Civil Aviation Medical Association: Michigan 1
Speaker: Kris M. Belland, D.O., M.P.H.: U.S. Naval Strike and Air Warfare Center, Navy Fighter Tactics Instructor Program (TOPGUN): Carrier Air Wing Mishap Reduction Retrospective

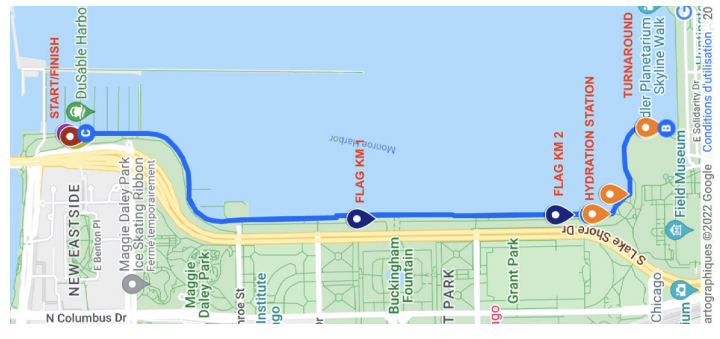
AsMA Air Transport Medicine Committee Meeting Roosevelt 1A & 1B	2:00 p.m. - 4:00 p.m.
Wing Welcome Reception Plaza Ballroom A	2:00 p.m. - 4:00 p.m.

Richard "Dick" Trumbo Preventive Medicine 5K DuSable Harbor Park, 6:00 a.m. - 7:30 a.m.

Meet in the hotel lobby at 5:00 a.m.
Walk from the Hyatt to the Park: 0.7 miles, ~15 minutes



Run/Walk route



Speed Mentoring 1 Plaza Ballroom B	3:30 p.m. - 5:30 p.m.
SUSNFS Annual Membership Meeting Roosevelt 3A & 3B	5:00 p.m. - 6:30 p.m.
Aerospace Medicine Student and Resident Organization Meeting Grand Hall K	5:30 p.m. - 7:30 p.m.
AsMA Science & Technology Committee Meeting Roosevelt 3A & 3B	6:30 p.m. - 8:30 p.m.

Fellows Meeting & Dinner Monday, May 6

AsMA Fellows Meeting (AsMA Fellows ONLY) Grand Hall LMN	6:00 p.m. - 7:00 p.m.
AsMA Fellows Reception (AsMA Fellows & guests only) Grand Hall Foyer	6:00 p.m. - 7:15 p.m.
AsMA Fellows Dinner (AsMA Fellows & guests only) Grand Ballroom CD North	7:15 p.m. - 10:00 p.m.

Ever Upward

Visit AsMA's newsletter online for the latest news! Newsletters can be found at <https://www.asma.org/news-events/newsletters> or see <https://www.asma.org/news-events/asma-news>.

Tuesday, May 7, 2024

AsMA Finance Committee Meeting Roosevelt 3A & 3B	7:00 a.m. - 8:00 a.m.
AsMA Editorial Board Breakfast Michigan 2	7:00 a.m. - 8:00 a.m.

AsMA Associate Fellows Breakfast Tuesday, May 7, 7:00 a.m. - 8:30 a.m. Michigan 1

The Associate Fellows Group breakfast meeting is a great place to meet other fresh, enthusiastic leaders in Aerospace Medicine. Service awards and the Ellingson Literary Award will be presented.

AsMA History and Archives Committee Meeting Roosevelt 1A & 1B	7:00 a.m. - 9:00 a.m.
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10th Eugen Reinartz Memorial Plenary Session Tuesday, May 7, 8:30 a.m. - 10:00 a.m. Grand Ballroom CD South, EF

Panel topic: Space Operations - Honoring the Past ... Preparing for the Future

Panelists: Astronaut Joan Higginbotham; Astronaut Robert Cabana; Astronaut (Dr.) Joe Kerwin; and Astronaut (Dr.) Serena Auñón-Chancellor

Educational support provided by the Eugen G. Reinartz Endowed Fund

Aerospace Physiology Board Certification Business Meeting Michigan 2	9:00 a.m. - 11:00 a.m.
ICAO Open Access Meeting Michigan 3	10:00 a.m. - 12:00 p.m.
International Assoc. of Aerospace Dentistry (IAAD) Michigan 2	11:00 a.m. - 12:00 p.m.

AsMA Lunch & Business Meeting Tuesday, May 7, 12:00 p.m. - 2:00 p.m. Grand Ballroom CD North

Open to ALL members!

Ticket purchase is required for LUNCH ONLY

It is important that we have **at least 100 members** present for this Business Meeting! Please attend and support **YOUR** association!

Alliance of Air National Guard Flight Surgeons Lunch Randolph 1A & 1B	12:00 p.m. - 2:00 p.m.
International Aerospace Neuroscience Consortium Roosevelt 3A & 3B	12:00 p.m. - 2:00 p.m.
AsMA Membership Committee Meeting Michigan 2	1:00 p.m. - 2:00 p.m.
Society of U.S. Army Flight Surgeons Business Meeting Michigan 3	1:30 p.m. - 4:00 p.m.

Meet the Editor and Journal Staff

The staff of AMHP will have a table in the registration area so you can chat to them. You can also sign up to be a reviewer.

Aerospace Medicine Graduate Education Roosevelt 3A & 3B	2:00 p.m. - 3:30 p.m.
Speed Mentoring 2 Plaza Ballroom	2:00 p.m. - 3:30 p.m.
IAASM General Assembly Randolph 1A & 1B	3:30 p.m. - 5:30 p.m.
USAF Aerospace Physiology Meeting Roosevelt 1A & 1B	4:00 p.m. - 7:00 p.m.
Aerospace Safety Committee Meeting Michigan 3	4:00 p.m. - 5:30 p.m.
Space Surgery Association Meeting Michigan 3	5:30 p.m. - 6:30 p.m.
AsMA Coporate Forum Reception (by invitation only) Plaza Ballroom	5:30 p.m. - 6:30 p.m.

Int'l Assoc. of Military Flight Surgeon Pilots Reception & Meeting Grand Hall LMN	5:30 p.m. - 7:00 p.m.
Harvard School of Public Health Randolph 2	5:30 p.m. - 7:00 p.m.
ICAO CAPSCA Meeting Grand Hall K	5:30 p.m. - 7:30 p.m.
Life Sciences & Biomedical Engineering Branch Meeting Grand Ballroom CD North	6:00 p.m. - 9:00 p.m.

Reception to Honor International Attendees Tuesday, May 7, 7:00 p.m. - 9:00 p.m. Grand Hall I

Open to ALL—Ticket required
Sponsored by Environmental Tectonics Corporation

Wednesday, May 8

Canadian Society of Aerospace Medicine (CSAM) Breakfast Randolph 1A & 1B	7:00 a.m. - 8:30 a.m.
AsMA Resolutions Committee Meeting Roosevelt 3A & 3B	8:00 a.m. - 9:30 a.m.
NATO RTG 299 Pulmonary Screening of Aircrew Monroe Boardroom 5	8:00 a.m. - 12:00 p.m.
European Aviation Medical Assessors' Council Roosevelt 3A & 3B	10:00 a.m. - 11:00 a.m.
Speed Mentoring 3 Plaza Ballroom	10:00 a.m. - 11:30 a.m.
USAF Pilot Physician Meeting Michigan 2	12:00 p.m. - 2:00 p.m.
ESAM Meeting Grand Hall K	12:00 p.m. - 2:00 p.m.

Wednesday Luncheons 12:00 p.m. - 2:00 p.m.

Aerospace Physiology Society: Randolph 1A & 1B
Aerospace Nursing & Allied Health Professionals Society:
 Roosevelt 1A & 1B
Society of NASA Flight Surgeons: Crystal Ballroom C
Iberoamerican Association of Aerospace Medicine Luncheon & Business Meeting: Roosevelt 3A & 3B

PACAF Flight Surgeons Conference
 Randolph 3 12:30 p.m. - 1:30 p.m.

Air Mobility Command Breakout Business
 Michigan 3 1:00 p.m. - 2:30 p.m.

NATO RTG 320 Fatigue Management in Aircrew
 Monroe Boardroom 5 1:00 p.m. - 5:00 p.m.

Aerospace Physiology Certification Review Room
 Michigan 3 3:00 p.m. - 5:00 p.m.

Aerospace Human Factors Association (AsHFA) Meeting
 Roosevelt 1A & 1B 4:00 p.m. - 5:00 p.m.

FAA Office of Aerospace Medicine Meeting
 Roosevelt 3A & 3B 4:00 p.m. - 5:45 p.m.

Ad Hoc Commercial Spaceflight Committee Meeting
 Grand Ballroom CD North 4:00 p.m. - 6:30 p.m.

AsMA Aerospace Human Performance Committee Meeting
 Michigan 3 5:00 p.m. - 6:00 p.m.

USAFSAM International Meeting
 Monroe Boardroom 5 5:30 p.m. - 7:30 p.m.

AsMA Joint Council Meeting
 Plaza Ballroom 6:00 p.m. - 6:45 p.m.

Thursday, May 9

Motion Sickness, Vestibular, Spatial Disorientation Researchers
 Breakfast (sponsored by Environmental Tectonics Corporation)
 Randolph 1A & 1B 7:00 a.m. - 8:10 a.m.

58th Harry G. Armstrong Lecture Thursday, May 9, 2024, 8:15 a.m. - 9:15 a.m. Grand Ballroom CD South, EF

Lecturer: Lisa Kaltenecker, Ph.D., Director of the Carl Sagan Institute at Cornell University

Topic: Searching for Alien Earths and Life in the Cosmos

Educational support provided by Environmental Tectonics Corp.

NOTE: All Thursday scientific sessions and luncheons begin a half-hour early.

Scientific Program Committee Leadership Meeting
 Grand Hall J 9:15 a.m. - 9:45 a.m.

Aerospace Physiology Society Business Meeting
 Roosevelt 1A 10:00 a.m. - 11:30 a.m.

Historical Film Randolph 2, 11:30 a.m. - 1:45 p.m.



Midway: This 1976 movie depicts the World War II Battle of Midway, after which Chicago's Midway Airport is named. Starring Charlton Heston, Henry Fonda, James Coburn and many others, and directed by Jack Smight, this film chronicles the turning point of the war in the Pacific Theater. The film will be introduced with trivia and things to look for by the Chairman of the AsMA History and Archives Committee.

Nordic NATO Aeromedical Group
 Roosevelt 1B 11:30 a.m. - 1:30 p.m.

Thursday Luncheons 11:30 a.m. - 1:30 p.m.

AsMA-ESAM-IAASM Luncheon & Meeting (by invitation only): Michigan 2

Space Medicine Association: Grand Ballroom CD North

Burton Acceleration Luncheon (by invitation only):
 Randolph 1A & 1B

AsMA Aerospace Mental Health Working Group
 Roosevelt 3A & 3B 2:00 p.m. - 4:00 p.m.

AsMA Awards Committee Meeting
 Michigan 2 3:45 p.m. - 5:00 p.m.

AsMA Honors Night Thursday, May 9, 2024

Reception - cash bar

Grand Ballroom Foyer/Grand Hall MN 6:00 p.m. - 7:00 p.m.

Banquet, awards, and honors

Grand Ballroom EF 7:00 p.m. - 9:00 p.m.

Honors Night after party (all are welcome; no ticket required)

Grand Ballroom CD 9:00 p.m. - 11:00 p.m.

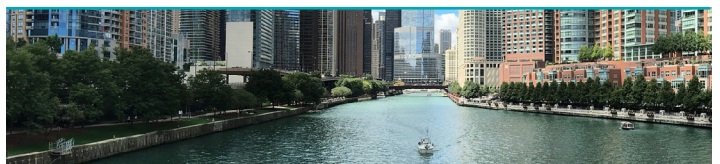
Sponsored in part by Leidos, Pharmaflight, and Jeff and Debra Sventek

Friday, May 10

USAF Aerospace Medicine Corporate Board Meeting
 Michigan 3 7:30 a.m. - 12:00 p.m.

TTCP Group
 Michigan 2 8:30 a.m. - 4:00 p.m.

Department of Air Force Aerospace & Operational Medicine
 Enterprise Corporate Board
 Michigan 1C 9:00 a.m. - 5:00 p.m.



Friday Workshop

Space Analog: Maritime Operations

Chicago Yacht Club

7:00 a.m. - 5:00 p.m.

(Designation Statement: The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 8.0 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.)



Photo by Jonathon J. Castellon from Unsplash

FAA Aviation Medical Examiner Seminar 2024

Certification Refresher (AsMA); Grand Hall LMN

Please check the app for any changes.

MONDAY – May 6, 2024

- 10:30 (R) COURSE INTRODUCTION—DEANN KING
10:45 (R) AMCS—JANA WEEMS
11:45 LUNCH
1:15 (R) MEDICAL PROGRAMS, POLICIES & STANDARDS—SUSAN NORTHRUP
2:15 BREAK
2:30 (R) AME OVERVIEW—DEANN KING
3:30 (R) PSYCHIATRY/PILOT MENTAL HEALTH—DANIEL DANCZYK
4:30 (R) ADDICTION—DANIEL DANCZYK
5:30 ADJOURNMENT

TUESDAY – May 7, 2024

- 8:00 (R) AME PERFORMANCE / DMS—DEANN KING, LEAH OLSON
9:00 (E) FAA DUI POLICY—MATT DUMSTORF
10:00 BREAK
10:30 (R) OPHTHALMOLOGY—ALAN KOZARSKY
12:00 LUNCH
1:30 (R) NEUROLOGY—ROGER HESSELBROCK
2:30 BREAK
2:45 (R) OTORHINOLARYNGOLOGY—JASON SIGMON
3:45 BREAK
4:00 (R) CARDIOLOGY—WILFREDO RODRIGUEZ JIMENEZ
5:00 ADJOURNMENT

WEDNESDAY – May 8, 2024

- 8:00 (E) Panel: **Would You Fly with This Pilot?**
Moderator: SUSAN NORTHRUP
Panel Participants: J. Sigmon, R. Hesselbrock, A. Kozarsky, W. Rodriguez-Jimenez, D. Danczyk
9:30 BREAK
9:45 (R) MEDICAL LEGAL—JESSICA KABAZ-GOMEZ
10:45 (R) CERTIFICATION PROCESSES—MATT DUMSTORF
12:00 LUNCH
1:00 (F) CACI UPDATES—GLENN DONNELLY
2:00 (E) MEDICATIONS—COURTNEY SCOTT
2:45 BREAK
3:00 (F) MALIGNANCY—COURTNEY SCOTT
4:00 (F) APNEA / FATIGUE—JASON SIGMON
5:00 ADJOURNMENT

THURSDAY – May 9, 2024

- 8:00 (F) APNEA / FATIGUE—JASON SIGMON
9:00 (F) MALIGNANCY—COURTNEY SCOTT
10:00 BREAK
10:15 (F) CACI UPDATES—GLENN DONNELLY
11:15 ADJOURNMENT

For AME designation credit you must attend:

ALL (R) – REQUIRED SESSIONS

ONE EACH OF (F) – FLEXIBLE SESSIONS:

- CACI UPDATES
- SLEEP APNEA / FATIGUE
- MALIGNANCY

ONE (E) – ELECTIVE SESSION

You must return your registration and answer sheets no later than adjournment on Thursday to receive CME and seminar credit. These sheets will not be accepted after Thursday, May 25, 2024.

CONTINUING MEDICAL EDUCATION

The Civil Aerospace Medical Institute is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The AAFP has reviewed AME Refresher Training (AsMA) 2024 and deemed it acceptable for up to 19.00 Live AAFP Prescribed credits. Term of Approval is from 05/6/2024 to 05/9/2024. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This program is approved for up to 19 credits of Category 1-A by the American Osteopathic Association.

AAFP Prescribed credit is accepted by the American Medical Association as equivalent to *AMA PRA Category 1 credit(s)*[™] toward the AMA Physician's Recognition Award. When applying for the AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

This CME activity was developed by the Aerospace Medical Education Division of the FAA Civil Aerospace Medical Institute using only congressionally appropriated funds, and without any type of commercial sponsorship (monetary or in kind).

All speakers participating in this CME activity are required to disclose to the audience any significant financial interest or other relationship they may have with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial medical services discussed in their educational presentations. Significant financial interests or other relationships can include (but are not limited to) being an employee, consultant, representative, stockholder, or receiving grants or research support from such a commercial company. The intent of this disclosure is to provide the audience with information to enable them to determine whether the speaker's interests or relationships may influence the presentation with regard to exposition or conclusion. The Aerospace Medical Education Division will not accept commercial support of any educational program.

It is the policy of the Aerospace Medical Education Division that the speaker discloses to the audience if a product is not labeled for the use under discussion or that a product is still investigational.

Continuing Education Information & Instructions

Instructions for Obtaining CME Credit

- Register for the conference and sign in for the activities, as required.
- Complete the online post-activity evaluation. Be sure to evaluate each session attended.
- After submitting the post-meeting evaluation, the CME or Nurse Contact Hours certificate will be sent to your email designated on the form. Please allow 1–2 days for the certificate to arrive in your inbox. The certificate will be sent from jsventek@asma.org. Please be sure to check your SPAM or JUNK folder.

Designation Statements

- The Undersea and Hyperbaric Medical Society (UHMS) designates this live activity for a maximum of 23 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- **Nursing Contact Hours:** This nursing continuing professional development activity was approved by Montana Nurses Association, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation.
- A Participation Certificate is available for those requiring proof of attendance and who cannot claim CME.

Full Disclosure Statement

All faculty members and planners participating in continuing medical education activities sponsored by the Aerospace Medical Association are expected to disclose to the participants any relevant financial relationships with ineligible companies. Full disclosure of faculty and planner relevant financial relationships will be made at the activity.

UHMS Disclaimer

The information provided at this CME activity is for Continuing Medical Education Purposes only. The lecture content, statements or opinions expressed, however, do not necessarily represent those of the Undersea and Hyperbaric Medical Society (UHMS), its affiliates or its employees.

Statement of Independence

The Aerospace Medical Association has a policy of ensuring the content and quality of this educational activity are balanced, independent, objective, and scientifically rigorous. The content of this activity was developed under the supervision of the Aerospace Medical Association's Scientific Program Committee, according to the following specifications:

- All the recommendations involving clinical medicine in a CME activity must be based on evidence accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.
- All scientific research referred to, reported, or used in CME in support or justification of a patient care recommendation must conform to the generally accepted standards of experimental design, data collection, and analysis.

The Aerospace Medical Association has rigorously reviewed the content or format of the CME activity and/or its related materials to ensure they promote improvements or quality in healthcare and not a specific proprietary business interest of a commercial interest, as well as to confirm the presentations give a balance view of therapeutic options. Use of generic names will contribute to this impartiality. If the CME educational material or content includes trade names, where available trade names from several companies have been used, not just trade names from a single company.

Financial Relationships Disclosure Statement

All individuals in control of content for this educational activity with their relevant financial relationship disclosed are listed below (if applicable). An individual who refuses to disclose relevant financial relationships will be disqualified from being in control of educational content at any time, and cannot have control of, or responsibility for, the development, management, presentation, or evaluation of the CME activity.

Financial relationships are relevant if the following three conditions are met for the individual who will control content of the education:

- A financial relationship, in any amount, exists between the person in control of content and an ineligible company.
- The content of the education is related to the products of an ineligible company with whom the person has a financial relationship.
- The financial relationship existed during the past 24 months.

The Aerospace Medical Association has reviewed all disclosures and resolved or managed all identified conflicts of interest, as applicable. Aero-

space Medical Association Planners, Reviewers and Faculty/Presenters associated with this activity reported no relevant financial relationships, except for the following:

- Stephen Harridge, Ph.D.; Faculty: BioAge, Inc. - Consultant
- Jeffery Hovis, O.D., Ph.D.; Faculty/Reviewer: ALCON Laboratories - Consultant
- Michael Pohlen, M.D.; Faculty: Covera, Inc. - Contractor
- Nathan Skelly, M.D.; Faculty: CONMED Corp. - Consultant

Appropriate Management of Commercial Support

The Aerospace Medical Association's Scientific Program Committee has authority and complete control of the planning and implementation of this educational activity and attests to the fact that it was planned and implemented independent of grant support and in accordance with the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. The following have provided commercial support for this activity:

- Environmental Tectonics Corp.: \$1,000 Exhibit Hall Coffee/Tea Service
- Environmental Tectonics Corp.: \$2,500 Harry G. Armstrong Lecture Honorarium
- Environmental Tectonics Corp.: \$5,000 Reception to Honor Multinational Attendees
- Environmental Tectonics Corp.: \$3,500 International Acceleration Interest Group Luncheon
- Environmental Tectonics Corp.: \$1,150 Disorientation Research Group Breakfast

Policy on Unlabeled/Off-Label Use

ACCME policy allows off-label discussion, but does not allow a faculty to advocate for the test or treatment, or teach clinicians how or when to use it.

When a CME activity includes information about an approach to diagnosis or treatment not generally accepted, it is allowable to facilitate debate and discussion about the approach, but it is not allowable to advocate for the test or treatment, or teach clinicians how or when to use it. Several strategies can be utilized to facilitate discussion about controversial topics without promoting unscientific care recommendations in accredited CME activities.

CME For MOC Program Guide Designation Statements for ABMS Boards

As an accredited ACCME provider, the UHMS is now responsible to submit physician learner CME credits into the ACCME PARS system. However, it is the physician's responsibility to submit the necessary information required to match with the ACCME PARS system. It is also the physician's responsibility to check with their respective board(s) to see that the credits were applied accordingly.

American Board of Anesthesiology (ABA)

"This activity contributes to the CME component of the American Board of Anesthesiology's redesigned Maintenance of Certification in Anesthesiology™ (MOCA®) program, known as MOCA 2.0®. Please consult the ABA website, www.theABA.org, for a list of all MOCA 2.0 requirements."

American Board of Internal Medicine (ABIM)***

"Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 23.0 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit."

American Board of Otolaryngology – Head and Neck Surgery (ABOHNS) ***

"Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn their required annual part II self-assessment credit in the American Board of Otolaryngology – Head and Neck Surgery's Continuing Certification program (formerly known as MOC). It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of recognizing participation."

American Board of Orthopaedic Surgery (ABOS) ***

"Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME of the American Board of Orthopaedic Surgery's Maintenance

See "CME Instructions", p. 8

of Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABOS credit."

American Board of Pathology (ABPath)

This activity has been registered to offer 23.0 AMA PRA Category 1 Credits™ towards the American Board of Pathology's Continuing Certification program Lifelong Learning credits.

American Board of Pediatrics (ABP) ***

"Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn up to 23.0 MOC points in the American Board of Pediatrics' (ABP) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABP MOC credit."

American Board of Surgery (ABS) ***

"Successful completion of this CME activity [which includes participation in the evaluation component], enables the learner to earn credit toward

the CME [and Self-Assessment] requirement(s) of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit."

American Board of Thoracic Surgery (ABTS) ***

"Successful completion of this CME activity [which includes participation in the evaluation component,] enables the learner to earn credit toward the CME [and Self-Assessment] of the American Board of Thoracic Surgery's Maintenance of Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABTS credit."

*****Will require evaluation feedback**

Required instructions to learners on how to obtain CME for MOC
CME For MOC points are earned through completing a comprehensive evaluation component that assesses individual learner competence, performance, and/or the impact on patient outcomes. Some boards require evaluation feedback that will include a summary of what was discussed and the best next steps for the learner. The evaluation feedback will be provided to you upon submitting the evaluation form.

Exhibit Booths & Contact Information

The AsMA Welcome to Chicago event will be held in the exhibit area on Sunday, May 5, from 6:30 - 8:30 p.m. Exhibits will be open during the reception, as well as between the hours of 9:30 a.m. and 4:30 p.m. Monday, May 6, and Tuesday, May 7.

Coffee Service provided in part by ETC.

<u>Company</u>	<u>Booth No.</u>
All Wheels Up, Inc. Frisco, TX, United States http://www.allwheelsup.org/	202
American Board of Preventive Medicine (ABPM) Chicago, IL, United States http://www.theabpm.org/	205
AMST – Systemtechnik GmbH Ranshofen, Austria http://www.amst.co.at/	215
AsMA Foundation Alexandria, VA, United States https://www.asma.org	306
Case Western Reserve University Cleveland, OH, United States http://www.physiology.case.edu	312
Environics Tolland, CT, United States http://www.environics.com	101
Environmental Tectonics Corp. (ETC) Southampton, PA, United States http://www.etcusa.com	309
Federal Aviation Administration, Office of Aerospace Medicine Washington, DC, United States http://www.faa.gov	300
Gentex Corporation Carbondale, PA, United States http://www.gentexcorp.com	203

GLOBALOG – Global Aviation Data Kastrup, Denmark http://www.globalog.com	310
GO ₂ Altitude Melbourne, Australia http://www.hypoxic-training.com	201
Homeland Defense & Security Information Analysis Center (HDIAC) Belcamp, MD, United States http://www.hdiac.org	213
International Museum of Surgical Science Chicago, IL, United States http://imss.org/	102
JFJ Aviation and Defence GmbH Burgkirchen, Austria http://www.jfj.at	316
KBR Houston, TX, United States http://www.kbr.com	211
King's College London London, United Kingdom http://www.kcl.ac.uk/bmb/our-departments/aerospace-medicine	314
multiSIM BV Soesterberg, Netherlands http://www.multisim.nl	206
Naval Medical Research Unit – Dayton Dayton, OH, United States http://www.med.navy.mil/sites/nmrc/Dayton	207
On-Demand Systems College Station, TX, United States http://www.on-demandusa.com	301

See "Exhibitors", p. 9



From "Exhibitors", p. 8

OneSource Solutions International (OSSI) 308
Sudbury, MA, United States
<http://oss.international/>

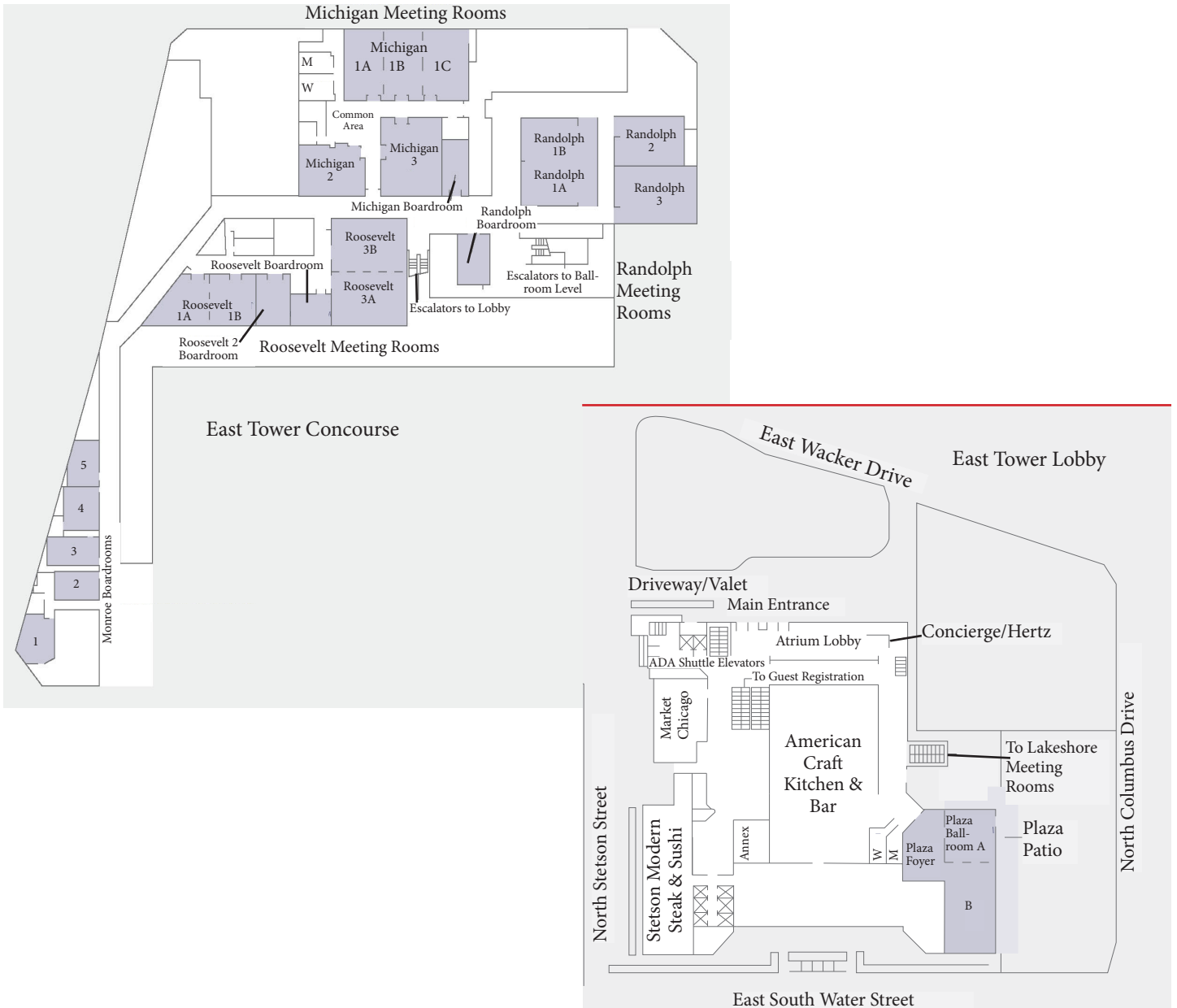
Pilot Mental Health Campaign 200
Seattle, WA, United States
<http://www.phmc.org>

U.S. Air Force Health Professions Recruiting 304
Naperville, IL, United States

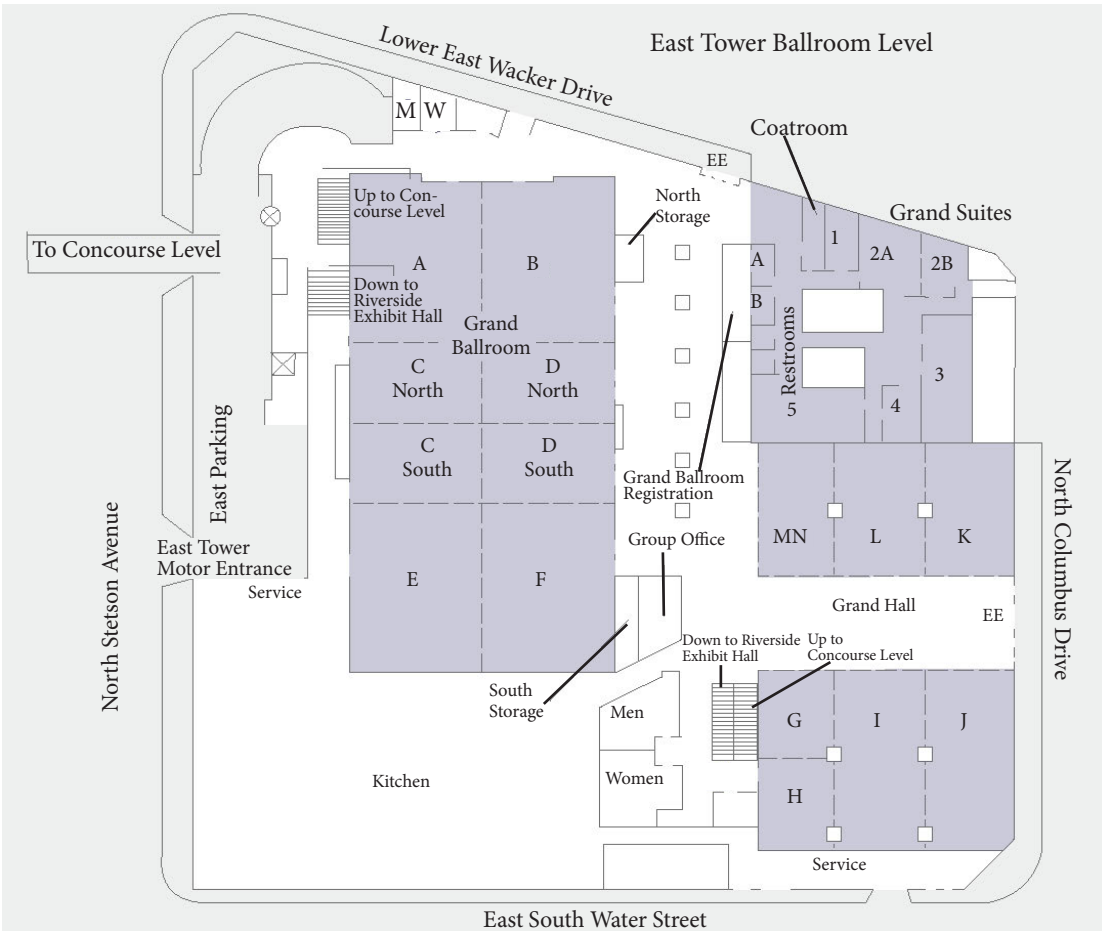
University of Texas Medical Branch 202
Aerospace Medicine
Galveston, TX, United States
<http://www.utmb.edu/spph/aerospace-medicine/home>



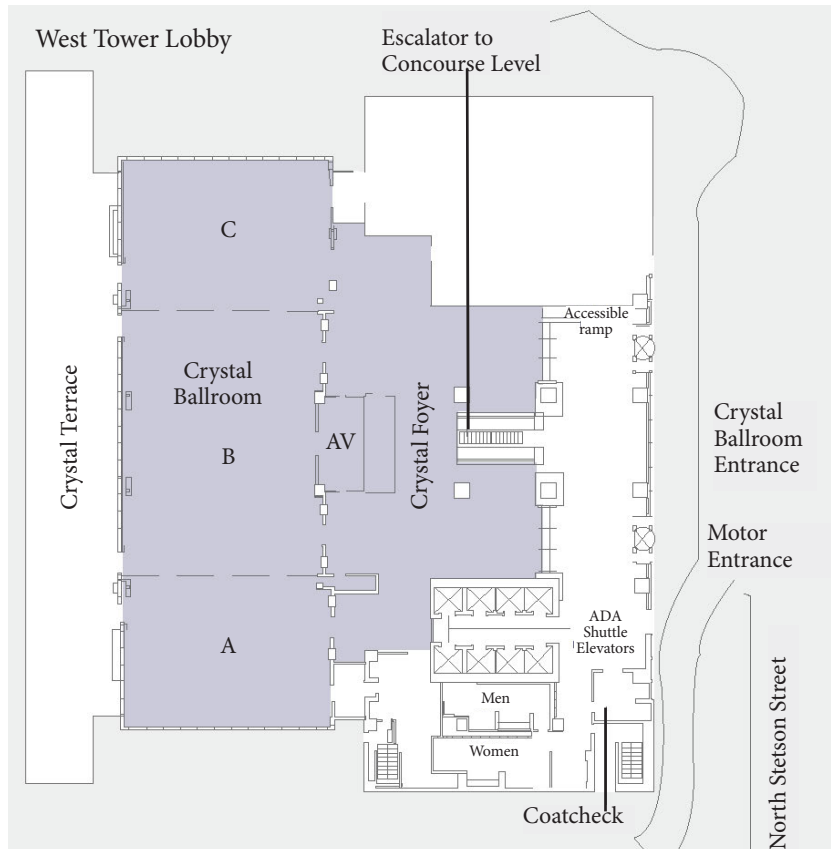
Hyatt Regency East Tower



Hyatt Regency East Tower



Hyatt Regency West Tower



Aerospace Medical Association 94th Annual Scientific Meeting Schedule
Hyatt Regency, Chicago, IL; May 6-9

MONDAY, MAY 6									
	GRAND BALLROOM CD SOUTH & EF	GRAND BALLROOM A	GRAND BALLROOM B	GRAND HALL J	GRAND HALL K	GRAND HALL GH	GRAND HALL I	GRAND SUITE 2&3	
8:00-10:00 a.m.	GRAND BALLROOM CDEF—OPENING CEREMONIES AND 69th LOUIS H. BAUER LECTURE								
10:30 a.m.–12:00 p.m.	SPACE PANEL: Recent Developments in DCS Risk Mitigation	HP PANEL: Pilot Spatial Disorientation	CLINICAL SLIDES: Clinical Practice Guidelines	HP SLIDES: Human Performance and Training	SPACE SLIDES: Space Medicine Evolution	ATM SLIDES: Indoor Air Quality			
12:00-2:00 p.m.	SPECIAL LUNCHEONS—CAMA, U.S. Navy, Society of U.S. Air Force Flight Surgeons, Society of U.S. Army Flight Surgeons, Aerospace Human Factors Association								
2:00-3:30 p.m.	HP PANEL: Human Performance During Spaceflight	HP PANEL: Subtle Spatial Disorientation in Commercial Aircraft	CLINICAL PANEL: Aerospace Psychology	CLINICAL SLIDES: Anthropomorphic Measures & Methods	SPACE PANEL: Precision Medicine Innovations for Space	ATM SLIDES: Air Transport: Trials and Tribulations	CLINICAL SLIDES: And the Beat Goes On & On!		
4:00-5:30 p.m.	SPACE PANEL: Sensorimotor Strategies for Exploration Success	HP PANEL: Pilot-Physicians: History & Future Endeavors	CLINICAL PANEL: Updating ADHD Medical Certification Policy	CLINICAL SLIDES: Returning to Flight Duty	SPACE SLIDES: Biometrics & Databases for Spaceflight	HP PANEL: Updates in Operational Vision Research	HP PANEL: Polar Research Program HP Working Group		
TUESDAY MAY 7									
8:30-10:00 a.m.	GRAND BALLROOM CD SOUTH & EF—10th REINHARTZ MEMORIAL PANEL								
10:30 a.m.–12:00 p.m.	SPACE PANEL: Recommendations for Screening Commercial Space-flight Participants	HP PANEL: Connecting Physiology to Acceleration Tolerance	CLINICAL PANEL: USAF Waiver Process for Gender Dysphoria	CLINICAL SLIDES: Occupational Stressors on Behavioral Mental Health	CLINICAL PANEL: Residents in Aerospace Medicine Grand Rounds I	SAFETY PANEL: Aerospace Toxicology	SPACE SLIDES: Space—The Big Picture	ATM POSTERS: Travel and Transport Safety	
12:00-2:00 p.m.	AEROSPACE MEDICAL ASSOCIATION LUNCH AND BUSINESS MEETING, Alliance of Air National Guard Flight Surgeons Luncheon								
2:00-3:30 p.m.	SPACE PANEL: Lessons Learned at a Commercial Space Company	HP PANEL: Modeling G-LOC—A Collaborative Centrifuge Study	CLINICAL PANEL: Screening for Heart Disease in Aircrew	CLINICAL SLIDES: Understanding Factors in Mental Health	CLINICAL PANEL: Residents in Aerospace Medicine Grand Rounds II	SAFETY PANEL: Safety Centers Year in Review	SPACE SLIDES: Astronaut Medical Operations	SPACE POSTERS: Space for Posters	
4:00-5:30 p.m.	SPACE PANEL: Medical Ops Model at a Commercial Space Company	HP SLIDES: Bones, Muscles, and Centrifuges—Oh My	CLINICAL PANEL: IANCF PFO ROPE Score	HP SLIDES: Adverse Environments & Human Performance	CLINICAL PANEL: Residents in Aerospace Medicine Grand Rounds III	SAFETY PANEL: AI Applications to Combat Aviation Mishaps	SPACE SLIDES: Astronaut Gas Issues	CLINICAL POSTERS: Hyperbarics & Aerospace Medicine	

COLOR CODES	CLINICAL	TRAVEL/AIR TRANSPORT	HUMAN PERFORMANCE	SPACE	OTHER	SAFETY
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The FAA Seminar will be in Grand Hall LMN all week.

WEDNESDAY, MAY 8									
	GRAND BALLROOM CD SOUTH & EF	GRAND BALLROOM A	GRAND BALLROOM B	GRAND HALL J	GRAND HALL K	GRAND HALL GH	GRAND HALL I	GRAND SUITE 2&3	
8:30-10:00 a.m.	SPACE PANEL: Behavioral Health Ops & Research in Human Spaceflight	HP PANEL: Effects of Respiratory Dynamics in Military Aviators	CLINICAL PANEL: Ophthalmic Aeromedical Waiver Cases	CLINICAL SLIDES: Aviation Medicine Potpourri	CLINICAL PANEL: Residents in Aerospace Medicine Grand Rounds IV	SAFETY PANEL: Bringing a Research Project to Fruition: Concept to Publication	CLINICAL PANEL: Aerospace Medicine Advances in Iberoamerica	HP POSTERS: Neurophysiology	
10:30 a.m.-12:00 p.m.	SPACE PANEL: Medical Tech for Space Exploration	HP PANEL: Making Sense of Special Senses III	CLINICAL PANEL: Emerging Therapies in Mental Health	CLINICAL SLIDES: Health & Wellness Evaluations	CLINICAL PANEL: USAFSAM AAMIMO Case Presentations	HP PANEL: Disability in Aviation and Space Exploration	SPACE SLIDES: Diagnosis & Treatment in Space	HP POSTERS: Human Factors/ Aeromedical Considerations	
12:00-2:00 p.m.	SPECIAL LUNCHEONS—Aerospace Physiology Society, Society of NASA Flight Surgeons, Iberoamerican Association of Aerospace Medicine, Aerospace Nursing and Allied Health Professionals Society.								
2:00-3:30 p.m.		OTHER PANEL: Influential Women in Space Medicine	CLINICAL PANEL: Aerospace Medicine in Germany & Switzerland	CLINICAL SLIDES: Physical & Cognitive Impairment	SPACE PANEL: Medical Considerations for Commercial Low Earth Orbit	SAFETY SLIDES: Accident Analysis & Survival	SPACE PANEL: Is the Sky the Limit?		
4:00-5:30 p.m.	GRAND BALLROOM CD SOUTH & EF—14th ANNUAL RAM BOWL								
THURSDAY, MAY 9									
	GRAND BALLROOM CD SOUTH & EF	GRAND BALLROOM A	GRAND BALLROOM B	GRAND HALL J	GRAND HALL K	GRAND HALL GH	GRAND HALL I	GRAND SUITE 2&3	
8:15-9:15 a.m.	GRAND BALLROOM CD SOUTH & EF—58th HARRY G. ARMSTRONG LECTURE								
10:00-11:30 a.m.	SPACE PANEL: UTMB—30 Years of Excellence	HP PANEL: Physiologic Episodes in High-Performance Aviation	CLINICAL PANEL: Medical Education Perspectives on Medical Readiness for Ops	CLINICAL SLIDES: AMSRO—Young Investigator	SPACE PANEL: Year 1 of Commercial Spaceflight in Review	SAFETY SLIDES: Occupational Hazards and Protection		SPACE POSTERS: Out of this World	
11:30 a.m.-1:30 p.m.	SPECIAL LUNCHEONS—Space Medicine Association								
1:30-3:00 p.m.	SPACE PANEL: System Levers Within IMPACT	HP PANEL: Where Are We with White Matter & Hypobaria?	CLINICAL PANEL: ASAMS Aerospace Medicine Board Review	CLINICAL SLIDES: Aerospace Medicine Research	SPACE PANEL: Commercial Spaceflight Medical Resources Review—"Castor"	HP SLIDES: Fatigue and Performance			
3:30-5:00 p.m.		HP PANEL: Human Body Modeling to Prevent Aircrew Injury	CLINICAL PANEL: Aeromedical Ethics	CLINICAL PANEL: Why Should I be Declared Unfit to Fly or Control?	SPACE PANEL: Role of Certification in Aerospace Medicine Education				

COLOR CODES	CLINICAL	TRAVEL/AIR TRANSPORT	HUMAN PERFORMANCE	SPACE	OTHER	SAFETY
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The FAA Seminar will be in Grand Hall LMN all week.