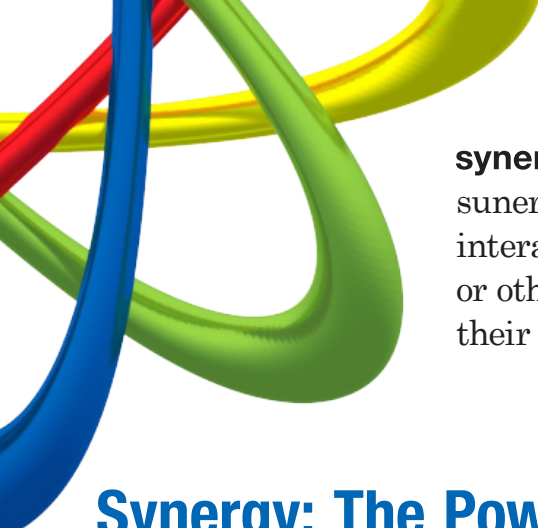


Synergy: The Power of Multidisciplinary Problem Solving



Aerospace Medical Association 89th Annual Scientific Meeting
Hilton Anatole Hotel • Dallas, TX • May 6–10, 2018



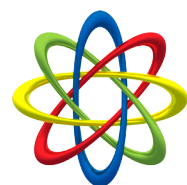
synergy syn·er·gy ‘sinərjē/ **noun** mid 19th century: from Greek sunergos ‘working together,’ from sun- ‘together’ + ergon ‘work.’ The interaction or cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects.

Synergy: The Power of Multidisciplinary Problem Solving

In “Synergy: The Power of Multidisciplinary Problem Solving,” our objective is to highlight the diverse nature of aerospace medicine and human performance. Issues associated with living and working in the aerospace environment are unique, and solutions rarely come from a single discipline. Only when we harness the collective power of thought and innovation from medicine, engineering, physiology, psychology, and social sciences do we obtain robust, sustainable solutions that protect and enhance human performance. As such, we have encouraged contributions from individuals and groups new to aerospace medicine who may realize that issues and their solutions addressed in support of space or military operations can be successfully leveraged for civilian and commercial applications. We invite everyone engaged in innovative and multidisciplinary research to join us at our annual scientific meeting where you will have the chance to interact with hundreds of aerospace specialists with a fresh perspective.

Aerospace medicine is truly multi-disciplinary and international. Our presentations come from diverse experts who will enhance the world’s knowledge and understanding of the current challenges in Aerospace Medicine and demonstrate an impact on improving the health, safety, and human performance of those involved in aviation, space, and extreme environments. Our annual scientific meeting presents an opportunity to learn about the work of our colleagues from around the world, to share the knowledge and wisdom which we gain in our day-to-day work and practice, and is a great way to expand the overall community of aerospace medicine.

The Program Committee, chaired by Barry Shender, Ph.D., has organized the program with a balance of sessions on human performance, aerospace medicine, travel medicine, space medicine, civil and military aviation medicine, and safety.



Register Online now at
<https://www.asma.org/scientific-meetings/asma-annual-scientific-meeting/registration>
to learn about current

trends in the aerospace medicine and human performance arena and meet with your colleagues. We hope to see you there. The ‘early bird’ discount is good through January 31.

Educational Objectives

Based upon responses to a survey provided at the end of the 88th Annual Scientific Meeting in Denver, CO, the top 6 categories our members indicated a need for more information in were: 1) Human Performance/ Human Factors; 2) Aerospace Medicine; 3) Travel Medicine; 4) Space Medicine; 5) Operational Medicine; and 6) Accident Investigation. The 89th Annual Scientific Meeting program will be focused on these six major categories. Sessions will cover the latest findings in the fields of aviation and space medicine, human performance, and related fields such as aerospace nursing, aerospace physiology, and human systems integration.

Abstracts are centered on the meeting objectives, which are aligned with the theme. The participant 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 on 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 multi-disciplinary professional environment.

Key Topics

- Aeromedical risk analysis and mishap reduction
- Aerospace Medicine Board Review, Aeromedical Grand Rounds, and “RAM Bowl”
- Aviation medicine case studies
- Aerospace mental health
- Aviation safety in civil and military settings
- Crashworthy systems
- Environmental stressors
- Fatigue and sleep issues

- Human systems integration
- Hypoxia and physiological episodes
- In-flight medical events
- Injury and pain mitigation
- Patient safety and air transport medicine issues
- Translating space lessons-learned to improve human health on Earth
- Spanish and German language aeromedical panels
- FAA Seminars for AMEs

Educational Benefits

- CME credits—AsMA is accredited through the Undersea and Hyperbaric Medical Society to provide continuing medical education for physicians. **The Undersea and Hyperbaric Medical Society is accredited by the ACCME to provide continuing medical education for physicians.**
- This live activity is designated for a maximum of 22.5 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- MOC Available! Maintenance of Certification modules: Workshops, Panels, Slide, and Poster sessions have all been designated for MOC. At least 20 non-concurrent hours of MOC training will be available.
- The Aerospace Medicine Board Review series will review core topics in Aerospace Medicine and is designed to prepare Aerospace Medicine specialists for the ABPM re-certification exam. Topics are presented in three sections each year by specialists in the field and adhere to the ABPM Study Guide outline, which will be covered in its entirety over the course of three consecutive years. Combined with the annual RAM Bowl and Aerospace Medicine Grand Rounds sessions, these board review sessions will address the preventive medicine core topic areas and the four required knowledge areas of Human Factors, Egress, and Disaster; Epidemiology and Biostatistics, Review of Respiratory and Metabolic Diseases; Pilot Selection and Retention, Evaluation and Risk Assessment; and Civil Aviation Regulations.

Professional Development

Several sessions highlight professional development, one of the core competencies for maintenance of certification, including the Epidemiology Workshop, the MOC sessions, and the panel on Aeromedical Ethics.

Speed Mentoring

Back by popular demand! This year two special sessions on Monday and Wednesday are set up for Speed Mentoring. Students and residents will have a chance to interview seasoned professionals in Aerospace Medicine and Human Performance during 10-min bursts. It's fun, it's fast, and it's fascinating!

Other Benefits

- Networking with Peers
- Scientific and Technical Exhibits
- Special Poster Session for Committees and Constituent Organizations
- Constituent and Affiliate Organization Luncheons and Awards
- Spouses Program

Special Sunday Workshops

1. Introduction to Epidemiology

Sunday 9:00 A.M. – 5:00 P.M.

8 AMA PRA Category 1 Credits™.

This course is oriented to professionals in aerospace medicine, mishap analysis, aerospace psychology, aerospace physiology, flight medicine, aviation medicine, aviation safety analyses, aerospace engineering, human factors engineering, and anyone else involved in the analyses of aviation mishaps or rare events. It will be taught from an aerospace mishap analyses perspective. There will be 6 h of classroom lecture by IAMFSP members, and 2 h of guided practice with problems taken from real life analyses.

Learners must bring a portable computer with the appropriate EpiInfo™ program for the operating system loaded. Please note that EpiInfo™ does not have a Macintosh compatible option. WiFi access is not required. **The EpiInfo™ program can be downloaded from the CDCP web site for free.**

2. Aircrew Fatigue: Causes, Consequences, and Countermeasures

Sunday 9:00 A.M. – 4:00 P.M.

6 AMA PRA Category 1 Credits™.

This workshop will outline the importance of addressing fatigue as a danger in aviation, the basic physiological mechanism underlying fatigue, and the most common causes of fatigue in air transport and other settings. Ways to recognize fatigue in operational environments and information about the efficacy of various countermeasures, including specific information about countermeasure techniques such as proper work/rest schedules, adequate sleep, napping strategies, rest breaks, circadian entrainment, stimulants, and others, will be provided. Presented by Drs. John Caldwell and Lynn Caldwell.

3. Aerospace Medicine Faculty Development Workshop

Sunday, 12:00 – 3:00 P.M.

3 AMA PRA Category 1 Credits™.

This workshop, chaired by Drs. Mark Coakwell and Richard Allnutt of the USAF School of Aerospace Medicine, will provide presentations on current topics of interest to the international faculty of aerospace medicine residencies and fellowships. These presentations may also be of interest to faculty of other preventive medicine residencies, including general preventive medicine and occupational medicine. The presenters are current faculty of aerospace medicine programs within and outside of the United States. They will present topics aimed at improving teaching skills and providing proven methods for evaluating residents and will address international considerations in aerospace medicine residency training. Current and future faculty members may benefit from these presentations and are invited to attend. Continuing Medical Education and Maintenance of Certification credit will be available for completion of this workshop.

Three ways to Synergize in Dallas:

Education—the primary objective of the Aerospace Medical Association's Annual Scientific Meeting. Designed from meeting evaluation forms, periodic surveys, and abstracts submitted, our meeting provides the latest results in sessions designed for aerospace medicine professionals under one roof. The scientific program will benefit residents, medical and graduate students, and advanced undergraduates who have an interest in aerospace medicine. Professional development and the other core competencies as outlined by the American Board of Preventive Medicine will be highlighted throughout the meeting. Continuing education credits are available for participants.

Opportunities—to learn about the latest products and services from our many technical and scientific exhibitors; experience three plenary lectures; govern during the business luncheon, where you have the opportunity to help guide our association; honor the best and the brightest among your fellow professionals during awards luncheons and the Honors Night banquet; to socialize through the spouses' program, which is open to all spouses and friends of AsMA members.

Networking—perhaps the greatest benefit of our meeting, because we bring together the international experts from all aspects of the aerospace community in one place. Ideas for research, careers, projects, and presentations are forged during our meeting. And the friendships made will last a lifetime.

The AsMA is international in both membership and scope of interest, providing opportunities to connect and exchange ideas with some of the world's foremost medical specialists and internationally renowned scientists in the field of Aerospace Medicine and Human Performance. If you are interested in the multi-disciplinary approach to working with humans in flight and challenging environments, whether as a physician, physiologist, researcher, engineer, technician, nurse, student, or pilot, **YOU should attend!**

Key Speakers



64th Bauer Lecturer

Monday, May 7 (KBRwyle, sponsor)

Morgan Sandercock

Airbus Perlan II Project

"High Altitude Physiology Without an Engine"



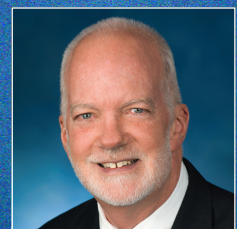
5th Reinartz Lecturer

Tuesday, May 8 (Reinartz Fund, sponsor)

Ronald Przygodzki, M.D.

Director, Genomic Medicine Implementation,
Office of Research & Development,
Department of Veterans Affairs, Washington,
DC and Associate Adjunct Professor of Pathology,
The George Washington University Medical Center,
Washington, DC

"Genomic Medicine: What, How and Where?"



53rd Armstrong Lecturer

Thursday, May 10

(Environmental Tectonics Corporation, sponsor)

John Charles, Ph.D.

Chief Scientist of the NASA Human Research Program

"From Here to Mars: How the Twins Study and the Year-Long ISS Mission Have Moved Us Closer to the Red Planet"

Page 1 Footnotes

*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 sponsorship of 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.

Designation Statement: The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 22.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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 commercial interests.

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.



Spouses Program

The WING of AsMA, a volunteer spouse organization, sponsors a program to share the cultural and educational experiences of the host city with old and new friends. There is a Hospitality Room, a Welcoming Reception on Monday, May 7, and a Brunch on Wednesday, May 9.

Two tours are planned this year. On Tuesday, May 8, there will be a tour of the Fort Worth Stockyards National Historic District, where the Old West comes to life. The tour will include a quick stop at AT&T Stadium for a photo and short commentary, guided bus tour of downtown Fort Worth, Fort Worth Water Gardens, and the Fort Worth Stockyards, where we will observe the infamous longhorn cattle drive. Thursday's tour will explore the beautiful Dallas Arboretum and Botanical Gardens. Nestled on 66 acres overlooking White Rock Lake, it is one of the top attractions in Dallas.

The Richard B. "Dick" Trumbo Preventive Medicine 5K Fun Run will be held on Monday, May 6. The start time is 6 a.m. The fee is \$10 and tickets must be purchased in advance. Details to follow!

Climate for May in Dallas

Highs in the low 80s and Lows in the low 60s (°F) make Dallas a very pleasant place to visit. There is a chance of rain and the humidity is a bit high, so bring a light rain jacket or umbrella.

Transportation

There are several ways to get from the area airports to the Hilton Anatole. The Super Shuttle <https://www.supershuttle.com/locations/dallas-dfw-dal/> and the GO Airport Shuttle https://goairportshuttle.com/dallas_fort_worth_international_dfw_airport_shuttle are approximately \$15.00 each way. Uber and Lyft also operate in Dallas.

Hilton Anatole Hotel

This 27-story hotel features 1,606 non-smoking rooms that all feature flat-panel cable TVs, work desks, minibars and a complimentary newspaper delivered daily. Get some fresh air at the seven-acre Sculpture Park, where you'll find a jogging trail, fish pond and tennis courts. Head to the 27th floor for American cuisine and incredible views of the Dallas skyline at Nana Restaurant.

The Hilton Anatole Hotel will serve as the headquarters hotel for the AsMA 89th Annual Scientific Meeting, May 6 – 10, 2018. The room rate for the Hilton Anatole Hotel is \$155.00+taxes/night (US government per diem rate). Internet service in the sleeping rooms is complimentary.

Charges and Fees

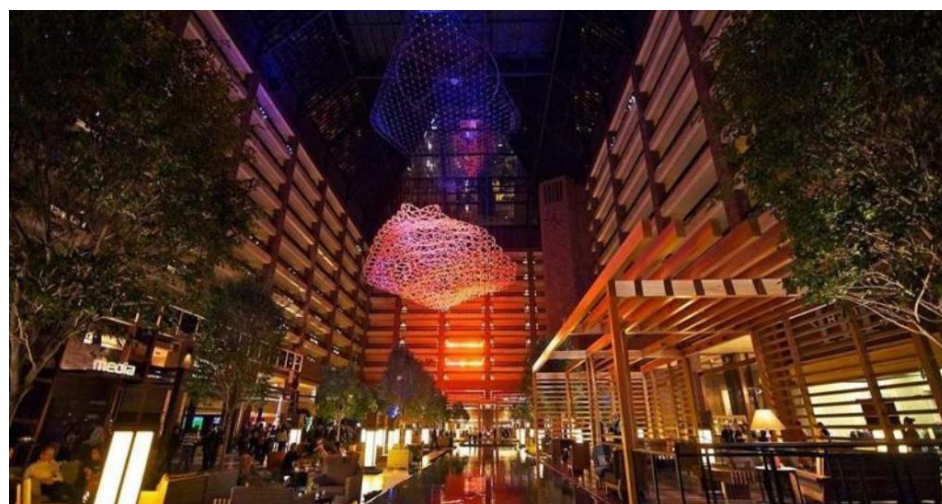
An optional Resort Fee of \$25.00+taxes/day is available and provides self-parking, health club access, 15% off spa services, 2 kids dinners in the Media Restaurant, 2 Starbucks coffees, local/toll-free calls, and pool recreation access.

Parking Fees: Self-Parking is \$22.00/day (included in optional Resort Fee); Valet Parking is \$29.00/day

Please use the hotel reservation link found on the AsMA Registration webpage to make your reservation. **Book early to ensure a room.**

Attention AsMA Members! If you receive a paper copy of the journal in your mailbox each month, PLEASE bring your MARCH PROGRAM ISSUE with you to the meeting this year. If you don't want to bring the Program issue, that's okay! You can pay \$10 to pick up a copy with your registration. The program will be available for free online and through the mobile app at the meeting. Note: Nonmembers and those who receive only the electronic version of the journal will be entitled to one copy of the program without charge.

Please note: Event tickets must be purchased in advance. The hotel requires us to cut off tickets sales 72 hours before each event.



Advance Registration Form

89th Annual Scientific Meeting

May 6 – May 10, 2018



| | | | |
|--------------------|---------------------|-----------|--|
| Name: | Degree/Credentials: | | <p>Early Bird Registration runs January 1 – 31. (Mail registrations must be postmarked with a January date).</p> <p>Advance Registration runs February 1 - April 30.</p> <p>No cancellations or refunds after April 28. A \$50 administrative fee is applied to all cancellations.</p> <p>We strongly encourage online registration: https://www.asma.org/scientific-meetings/asma-annual-scientific-meeting/registration</p> <p>You MUST be an active member of AsMA in order to register at the member fee.</p> <p>Registration fee does not include membership dues.</p> <p>Fax registration form with credit card information to: (703) 739-9652.</p> |
| Organization: | Title: | | |
| Street Address: | | | |
| City: | State/Country: | Zip Code: | |
| E-mail: | Telephone Number: | | |
| Cell Phone Number: | Fax Number: | | |

☐ Please indicate if this is an address change to your AsMA Membership Record

First time attendee, or new member? YES ☐ NO ☐ Special dietary requirement: _____

If you are being funded by the U.S. DoD please indicate Branch: ☐ Army ☐ Navy ☐ Air Force ☐ Coast Guard

| REGISTRATION FEE | EARLY BIRD [†] 1/1 – 1/31 | ADVANCE 2/1 – 4/30 | AT-THE-DOOR 5/6-5/10 | REGISTRATION FEE REMITTED |
|---|---------------------------------------|-----------------------|-------------------------|---------------------------|
| <input type="checkbox"/> MEMBER | \$375 [†] | \$450 | \$550 | |
| <input type="checkbox"/> NON-MEMBER | \$650 ^{†*} | \$725 [*] | \$825 [*] | |
| <input type="checkbox"/> NON-MEMBER PRESENTER | \$550 ^{†*} | \$625 [*] | \$725 [*] | |
| <input type="checkbox"/> RESIDENTS | \$275 [†] | \$350 | \$350 | |
| <input type="checkbox"/> STUDENTS | \$50 [†] | \$100 | \$100 | |
| <input type="checkbox"/> FAA-AME SEMINAR [§] | \$250 [†] | \$310 | \$310 | |
| Add CME and MOC Credits | | | | |
| <input type="checkbox"/> Add Member CME Credits | \$150 | \$150 | \$150 | |
| <input type="checkbox"/> Add Member CME and MOC Credits | \$200 | \$200 | \$200 | |
| <input type="checkbox"/> Add Non-Member CME Credits | \$200 | \$200 | \$200 | |
| <input type="checkbox"/> Add Non-Member CME and MOC Credits | \$250 | \$250 | \$250 | |
| Registration Fee Subtotal ► | | | | |

*Go to www.asma.org to become a member and take advantage of the reduced registration rates, receive the official Aerospace Medical Association journal, and other membership benefits.

[†]Early Bird Registration must be paid in full (including all events and meal functions) at the time of registration.

[§]Fee covers AsMA overhead costs. CME Credit for the FAA Seminar and AsMA Sessions attended is included.

(See reverse for workshops & events)

Advance Registration Form

89th Annual Scientific Meeting

May 6 – May 10, 2018



Note: Workshops are Limited • Only One per Attendee • Register Early

| DATE | WORKSHOP NAME | | FEE | |
|---|---|----------------------|----------------|-----------|
| Sunday, May 6 8:00 A.M. – 5:00 P.M. | <input type="checkbox"/> Workshop #1 “Introduction to Epidemiology” (MAX 75) | | \$200 | |
| Sunday, May 6 9:00 A.M. – 4:00 P.M. | <input type="checkbox"/> Workshop #2 “Aircrew Fatigue” (MAX 75) | | \$150 | |
| Sunday, May 6 12:00 P.M. – 3:00 P.M. | <input type="checkbox"/> Workshop #3 “Aerospace Medicine Faculty Development” (MAX 50) | | \$75 | |
| | EVENTS | # OF TICKETS | FEE PER TICKET | TOTAL FEE |
| | <input type="checkbox"/> Additional Meeting Program (ONLY for AsMA Members who receive their journal by mail) | | \$10 | |
| Sunday, May 6 | <input type="checkbox"/> AsMA Welcome to Dallas (NOTE: All Attending Event Must Have Tickets) | | \$10 | |
| Monday, May 7 6:00 A.M. | <input type="checkbox"/> Richard B. “Dick” Trumbo Preventive Medicine 5K Fun Run/Walk (advance purchase only) | | \$10 | |
| Monday, May 7 | <input type="checkbox"/> Civil Aviation Medical Association Luncheon (advance purchase only) | | \$45 | |
| Monday, May 7 | <input type="checkbox"/> Society of USAF Flight Surgeons Luncheon (advance purchase only) | | \$45 | |
| Monday, May 7 | <input type="checkbox"/> U.S. Navy Luncheon (advance purchase only) | | \$45 | |
| Monday, May 7 | <input type="checkbox"/> U.S. Army Aviation Medical Association Luncheon (advance purchase only) | | \$45 | |
| Monday, May 7 | <input type="checkbox"/> Aerospace Human Factors Association Luncheon (advance purchase only) | | \$45 | |
| Monday, May 7 | <input type="checkbox"/> Corporate Forum Luncheon (Advance purchase only) (MUST BE A COPORATE MEMBER, EXHIBITOR, OR CORPORATE SPONSOR) | | \$0 | |
| Monday, May 7 | <input type="checkbox"/> Fellows Dinner (advance purchase only) (MUST BE A FELLOW OR GUEST OF AsMA FELLOW) | | \$85 | |
| Tuesday, May 8 | <input type="checkbox"/> AsMA Annual Business Meeting (advance purchase only) (Free Attendance; Ticket required for meal) | | \$45 | |
| Tuesday, May 8 | <input type="checkbox"/> 100th Anniversary Celebration of Aerospace Medicine | | \$10 | |
| Wednesday, May 9 | <input type="checkbox"/> Associate Fellows Breakfast | | \$45 | |
| Wednesday, May 9 | <input type="checkbox"/> Aerospace Physiology Society Luncheon | | \$45 | |
| Wednesday, May 9 | <input type="checkbox"/> Society of NASA Flight Surgeons Luncheon | | \$45 | |
| Wednesday, May 9 | <input type="checkbox"/> Aerospace Nursing and Allied Health Professionals Society Luncheon | | \$45 | |
| Wednesday, May 9 | <input type="checkbox"/> Iberoamerican Association of Aerospace Medicine Luncheon | | \$45 | |
| Thursday, May 10 | <input type="checkbox"/> Space Medicine Association Luncheon | | \$45 | |
| Thursday, May 10 | <input type="checkbox"/> AsMA Honors Night Banquet (Black Tie Optional) | | \$85 | |
| | | SUBTOTAL OF EVENTS ► | | |
| | TOTAL AMOUNT DUE (Registration Fee Subtotal + Workshop + Subtotal of Events) ► | | | |

| PAYMENT METHOD | | | | |
|--|------|--|----------------|--|
| Check Number | | <input type="checkbox"/> CHECK <input type="checkbox"/> AMEX <input type="checkbox"/> DISCOVER <input type="checkbox"/> MASTERCARD <input type="checkbox"/> VISA <input type="checkbox"/> DINERS | | Fax with credit card information to: (703) 739-9652 Or mail with payment to: Aerospace Medical Association 320 S Henry Street Alexandria, VA 22314-3579 |
| Name as it appears on card: (PLEASE PRINT) | | | | |
| Credit Card # | | Exp. Date: | Security Code: | |
| Street | City | | Zip/Mail Code: | |
| Signature | | | Country | |

Payment must accompany form. All payments are in U.S. funds.
Registrants submitting via fax must include credit card information.

Please remember to include both sides when faxing.
Use only one method to register.

Meeting Schedule

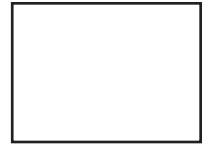
89th Annual Scientific Meeting

May 6 – May 10, 2018



| Sunday Workshops, May 6 | | | | | | | | |
|-------------------------|--|--|--|---|--|---|--|--|
| 8:00 A.M. – 5:00 P.M. | INTRODUCTION TO EPIDEMIOLOGY, GOVERNORS ROOM | | | | | | | |
| 9:00 A.M. – 3:00 P.M. | AIRCREW FATIGUE: CAUSES, CONSEQUENCES, AND COUNTERMEASURES, SAPPHIRE ROOM | | | | | | | |
| 12:00 NOON – 3:00 P.M. | AEROSPACE MEDICINE FAULTY DEVELOPMENT WORKSHOP, CORAL ROOM | | | | | | | |
| | FAA will be in Governors Room, Monday–Thursday. | | | | | | | |
| Monday, May 7 | | | | | | | | |
| 8:00 – 9:30 A.M. | OPENING CEREMONIES AND 64th LOUIS H. BAUER LECTURE—Morgan Sandercock | | | | | | | |
| | BALLROOM D | BALLROOM E | WEDGEWOOD | BALLROOM B | TOPAZ | SAPPHIRE | BALLROOM A | SENATORS |
| 10:30 A.M. – 12:00 NOON | S-004 HP PANEL Aircrew Neck Pain (RTG252): Pt. 1 | S-005 CLINICAL SLIDE Aeromedical Risk Analysis Practice Updates: Pt. 1 | S-006 SPACE PANEL Spaceflight Associated Neuro-ocular Syndrome | S-007 HP/CLINICAL PANEL A First Step on the Path to Improved Aerospace Mental Health | S-008 HP PANEL Update on Pilot Fatigue: Are we Doing Enough? | S-009 OTHER SLIDE N2 Bubbles: Bigger in Texas? | S-010 HP SLIDE Sensors and Symptoms | |
| 12:00 NOON – 2:00 P.M. | SPECIAL LUNCHEONS—CAMA, Navy, Air Force, Army, Aerospace Human Factors, Corporate Forum | | | | | | | |
| 2:00 – 3:30 P.M. | S-011 HP PANEL Aircrew Neck Pain (RTG252): Pt. 2 | S-012 CLINICAL PANEL Analysis Practice Updates: Pt. 2 | S-013 SPACE SLIDE Translational Space Medicine | S-014 SAFETY PANEL USAF Combined Mishap Reductions System Survey | S-015 CLINICAL PANEL Sleep 4 Health | S-016 CLINICAL SLIDE Aeromedical Standards | S-017 SAFETY SLIDE Hazards & Aviation Accidents | S-018 CLINICAL PANEL AAMIMO Case Presentations |
| 4:00 – 5:30 P.M. | S-019 HP PANEL Fighter Neck Pain: Changing the Paradigm | S-020 CLINICAL SLIDE To DNIF or Not DNIF | S-021 SPACE PANEL Designing a Roadmap for Moon Medical Capabilities | S-022 SAFETY PANEL Failure to Follow Procedures in Aviation and Medicine | S-023 HP PANEL Neurological Effects of Hypobaric Exposure | S-024 OTHER SLIDE Is There a Doctor in the House? Unique Aeromedical Responses | S-025 OTHER SLIDE Physiological Responses | |
| Tuesday, May 8 | | | | | | | | |
| 8:30 – 10:00 A.M. | 5th MEMORIAL REINARTZ LECTURE—Ronald Przygodski, M.D. | | | | | | | |
| 10:30 A.M. – 12:00 NOON | S-026 HP SLIDE Gz Acceleration | S-027 CLINICAL PANEL Provoked Seizures: “Fit” to Fly? | S-028 SPACE PANEL Complexities & Evolving Technologies for Missions to the Moon & Mars | S-029 SAFETY PANEL Safety Centers Year in Review | S-030 HP PANEL #Barfingstinks: Crowdsourcing Global Solutions for Airsickness | S-031 OTHER PANEL FAA AMCS Quality | S-032 OTHER PANEL Aeromedical Research Laboratories: Capabilities and Opportunities for Collaboration – Pt. 1 | S-033 OTHER PANEL Aerospace Medicine Board Review Series #1 |
| 12:00 NOON – 2:00 P.M. | AEROSPACE MEDICAL ASSOCIATION LUNCH AND BUSINESS MEETING | | | | | | | |
| 2:00 – 3:30 P.M. | S-034 HP PANEL Complex Problems, Novel Solutions: Flight Surgeons Leading Innovation | S-035 CLINICAL PANEL Aircrew VTE (French, in English) | S-036 SPACE PANEL Behavioral Health in Human Spaceflight | S-037 SAFETY PANEL Basic Medicine: 3rd Class Certification of U.S. General Aviation Pilots | S-038 HP PANEL Augmentation & Stimulation Technologies | S-039 OTHER PANEL Teamwork in Problem Solving in Aerospace Medicine History | S-040 OTHER PANEL Aeromedical Research Laboratories: Capabilities and Opportunities for Collaboration – Pt. 2 | S-041 OTHER PANEL Aerospace Medicine Board Review Series #2 |
| 4:00 – 5:30 P.M. | S-042 HP PANEL Pilot-Physicians: What have you done for me lately? | S-043 CLINICAL PANEL Future of Military Med: Junior Flight Surgeons Leading Analytical Thinking | S-044 SPACE SLIDE Hearts & Muscles & Bones Oh My! | S-045 SAFETY PANEL Helicopter Seating, Spinal Pain & Occupant Safety | S-046 HP PANEL Data Driven Research to Resolve Physiological Events in Tactical Aircraft | S-047 OTHER PANEL Ethical Principles in the Practice of Aerospace Medicine | S-048 OTHER SLIDE Research & Analytics: Past, Present & Future | S-049 OTHER PANEL Aerospace Medicine Board Review Series #3 |
| Wednesday, May 9 | | | | | | | | |
| 8:30 – 10:00 A.M. | S-050 OTHER PANEL Focus Aspects in Aerospace Medicine: The DGLRM Panel (German & English language) | S-051 CLINICAL PANEL Cardiovascular Risk | S-052 SPACE PANEL Bellagio II Aerospace Medicine Summit: Terrestrial Applications for Human Health Performance and Longevity—Pt. 1 | S-053 HP PANEL Aerospace Medicine Environmental and Physiologic In-Flight Testing | S-054 HP PANEL Operational Laser Effects and Laser Eye Protection | S-055 CLINICAL PANEL U.S. Navy Aeromedical Disposition: Challenging Cases NAMI—Pt. 1 | S-056 CLINICAL PANEL Aerospace Medicine Resident Grand Rounds: Pt. 2 | S-057 POSTERS Altitude and Space Effects |
| 10:30 A.M. – 12:00 NOON | S-058 SPACE SLIDE Impact of Stress on Performance | S-059 CLINICAL PANEL NATO & EACTS: Refining Cardiovascular Risk in Aircrew | S-060 SPACE PANEL Bellagio II Aerospace Medicine Summit: Pt. 2 | S-061 TRAVEL/TRANSPORT PANEL Impact of Aeroevac Relevant Hypoxia and Hyperoxia on Distal Organ Injury in Trauma Patients | S-062 HP SLIDE Aircrew Mental Health | S-063 CLINICAL PANEL U.S. Navy Aeromedical Disposition: Challenging Cases NAMI—Pt. 2 | S-064 CLINICAL PANEL Aerospace Medicine Resident Grand Rounds: Pt 2 | |
| 12:00 NOON – 2:00 P.M. | SPECIAL LUNCHEONS – Aerospace Nursing Society, Aerospace Physiology Society, Society of NASA Flight Surgeons, Ibero-American Association of Aerospace Medicine | | | | | | | |
| 2:00 – 3:30 P.M. | S-065 SPACE PANEL Return to Space: The 1998 Shuttle Flight of John Glenn | S-066 CLINICAL SLIDE In-Flight Cardiac Arrest in Commercial Aviation | S-067 SPACE PANEL Bellagio II Aerospace Medicine Summit: Pt. 3 | S-068 TRAVEL/TRANSPORT SLIDE AE Urgent Practical Challenges and an Eye to the Future | S-069 HP SLIDE Stress in Aus“STEER” Environments | S-070 CLINICAL PANEL Defenders Comprehensive Medical Readiness Program For Flight Surgeons | S-071 CLINICAL PANEL Aerospace Medicine Resident Grand Rounds: Pt 3 | S-072 POSTERS Aerospace Environmental Effects |
| 4:00 – 5:30 P.M. | S-073 CLINICAL PANEL Advances in Aerospace Medicine in Iberoamerica | | S-074 SPACE PANEL Psychological Countermeasures for Optimum Human Performance: Towards Translation from NASA Data and Analog Space Research | | | | S-075 CLINICAL PANEL RAM Bowl | |
| Thursday, May 10 | | | | | | | | |
| 8:15 – 9:15 A.M. | 53rd HARRY G. ARMSTRONG LECTURE—John Charles, Ph.D. | | | | | | | |
| | | | WEDGEWOOD | SENATORS | TOPAZ | SAPPHIRE | CHANTILLY EAST | CHANTILLY FOYER |
| 10:00 – 11:30 A.M. | | | S-076 SPACE SLIDE Long-Duration Spaceflight: Countermeasures & Rehabilitation | S-077 OTHER PANEL How to Conduct Research for the Aerospace Medicine Practitioner | S-078 HP SLIDE Optimizing Performance in Complex Aerospace Environments | S-079 HP PANEL Medical Readiness Program for Flight Surgeons | S-080 CLINICAL SLIDE Sickness and Decision Making | S-081 POSTERS Trouble with Travel |
| 11:30 A.M. – 1:30 P.M. | SPECIAL LUNCHEONS—Space Medicine Association | | | | | | | |
| 1:30 – 3:00 P.M. | | | S-082 SPACE PANEL Current Topics In Exploration Medicine for Deep Space | S-083 TRAVEL/TRANSPORT PANEL Resident Research and QI/PI Presentations: Pt. 1 | S-084 TRAVEL/TRANSPORT PANEL High Performance at High Altitude: Medical Support for Athletic Event on Mt. Kilimanjaro | S-085 CLINICAL PANEL Global Pilot Mental Health Initiatives Medical Perspectives | S-086 CLINICAL SLIDE Head to Toe | S-087 POSTERS Ophthalmology, Musculoskeletal, Neuro/Psych |
| 3:30 – 5:00 P.M. | | | S-088 SPACE SLIDE Space Medicine Operations | S-089 OTHER PANEL Resident Research and QI/PI Presentations: Pt. 2 | S-090 HP SLIDE Peek/Puke/Ping: Senses in the Aerospace Environment | S-091 CLINICAL PANEL Aircrew Mental Health: Perspectives from Pilots and Regulators | S-092 CLINICAL PANEL Antidepressants in USAF Aviators: 5-yr Analysis | |

| COLOR CODE | 1. HUMAN PERFORMANCE (HP) | 2. CLINICAL MEDICINE | 3. TRAVEL & AIR TRANSPORT MEDICINE (ATM) | 4. SPACE MEDICINE | 5. SAFETY | 6. OTHER/HISTORY |
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