

# Aerospace Medical Association 91st Annual Scientific Meeting Schedule

## Denver Sheraton Downtown, Denver, CO, August 29 – September 3, 2021

### MONDAY, August 30

	GOVERNOR'S SQUARE 14	GOVERNOR'S SQUARE 15	PLAZA A/B	PLAZA D/E	PLAZA F	GOVERNOR'S SQUARE 12	EXHIBIT HALL
<b>8:00-9:30 a.m.</b>	<b>PLAZA BALLROOM—OPENING CEREMONIES AND 66<sup>TH</sup> Louis H. Bauer Lecture—Brig. Gen. (Dr.) Paul Friedrichs</b>						
10:30-12:00 a.m. Noon	HP PANEL Cognitive Performance Testing for the Aerospace Environment	ATM: SLIDE The Corona-Coaster	SPACE. PANEL. Impacts of Diversity in Astronautics and Aerospace Medicine	SPACE. SLIDE. Risky Business in Space	CLINICAL. SLIDE Clinical Case Presentations & Aeromedical Decision Making	CLINICAL. PANEL. Flying with PTSD – An 8-yr Review of PTSD Disqualifications & Waivers In The USAF	
Noon-2:00 p.m.	<b>SPECIAL LUNCHEONS—CAMA, Navy, Air Force, Army, Aerospace Human Factors, Corporate Forum</b>						
2:00-3:30 p.m. p.m.	HP. SLIDE. In-Flight Fatigue Assessments for Military and Commercial Pilots	ATM: SLIDE The Application of En-Route Data	SPACE. PANEL. Enabling Progressively Autonomous Medical Operations for Space Exploration	CLINICAL. PANEL. FAA ...Update on ...HIV Effects on Neurocognitive Function	HP. SLIDE. New Lessons in Aircrew Training	CLINICAL. SLIDE. Professional Development, Ethics & Mental Health	
4:00-5:30 p.m. p.m.	HP. PANEL. What and Who Killed Kobe Bryant: A Modeling Perspective	SAFETY. SLIDE. Take a Deep Breath, Protect your Hearing & Make a Clean Escape	SPACE. PANEL. Women's Health Considerations for Exploration Spaceflight	CLINICAL. PANEL. AeroNeuroscience – What's the Evidence?	HP. SLIDE. Back and Neck Injuries	SPACE. SLIDE You Want Me to Wear What in Space, Doc?	

### TUESDAY, August 31

8:30-10:00 a.m. a.m.	<b>GRAND BALLROOM—7th MEMORIAL REINARTZ LECTURE—Dr. Anthony Wagstaff</b>						
10:30-12:00 a.m. Noon	HP. PANEL Lessons Learned & Innovations for Enhancing Human Systems Integration	HP. PANEL. Automation in Aerospace & Healthcare: Challenges & Opportunities	SPACE. PANEL. The Historic NASA/SPACEX Demo-2 Commercial Crew Test-Flight Mission—Pt. 1	CLINICAL. PANEL. Navy RAM Grand Rounds—pre-recorded	OTHER. PANEL. Women Pioneers in Aviation & Aerospace Medicine: Lessons on Leadership	SPACE. SLIDE. Going for The Jugular: Venous Physiology in Spaceflight	
Noon-2:00 p.m.	<b>AEROSPACE MEDICAL ASSOCIATION LUNCH AND BUSINESS MEETING</b>						
2:00-3:30 p.m. p.m.	HP. PANEL Short-Haul, Multi-Segment Flight Operations	ATM: PANEL Effects of Hypobaric During Aeroevac in Multiple Pre-Clinical Polytrauma Research Models	SPACE. PANEL. The Historic NASA/SPACEX Demo-2 Commercial Crew Test-Flight Mission—Pt. 2	CLINICAL. PANEL. Complex Problems & Novel Solutions from Junior and Future Flight Surgeons Leading Innovation	SPACE. SLIDE. Topics in Space Medicine Practice	HP. PANEL. USAF Distributed Common Ground Station Operator Occupational Stress	POSTERS: AsMA Committees, Constituents, and Affiliates
4:00-5:30 p.m. p.m.	HP. PANEL. Hypoxia Research from the Past to the Future	SAFETY. SLIDE. Characterizing Accident Rates & Severity	SPACE. PANEL. Spaceflight Associated Neuro-Ocular Syndrome (SANS)	CLINICAL. PANEL. Resident Grand Rounds	SPACE. SLIDE. Life & Death in Space	CLINICAL. PANEL. Aviation Dentistry, Digital Advances & Related Issues	

### WEDNESDAY, September 1

8:30-10:00 a.m. a.m.	HP. PANEL Making Sense of Special Senses	HP. PANEL. Applications & Limitations of Personality Assessments in Aviation—Research	SPACE. PANEL. Developing an Extreme Environment Medical System – Lessons from the Orion Spacecraft	CLINICAL. PANEL. Garrison Comprehensive Medical Readiness Program for Flight Surgeons	OTHER. PANEL. Dilemmas of an Ethical Nature in Aerospace Medicine	SPACE. PANEL. Specific Aspects of Civilian & Military Aviation Medicine in Germany	POSTERS: Clinical Medicine
10:30-12:00 a.m. Noon	HP. PANEL. Degraded Vision in the Aerospace Environment	HP. SLIDE. Cognitive Performance and Workload	SPACE. PANEL. Recent Space-flight Life Support Research Updates from AIAA	CLINICAL. PANEL. Global Reach Comprehensive Medical Readiness Program for Flight Surgeons	SAFETY. PANEL. Lessons from the Field, Aeromedical Research, & Pilot-Physicians	CLINICAL. SLIDE. Medical Screening & Health Status	
Noon-2:00 p.m.	<b>Special Luncheons: Aerospace Physiology Society, Aerospace Human Factors Association, Space Medicine Society, Wing of AsMA,</b>						
2:00-3:30 p.m. p.m.	HP. PANEL. Advances in Aerospace Medicine in Iberoamerica	HP. SLIDE. Acceleration: Education & In-flight Monitoring	SPACE. PANEL. Operational Considerations for Death in Space	CLINICAL. PANEL. Optimizing Aircrew Screening & Selection Through Non-Invasive Methods Of Cardiac Screening - Debate	SAFETY. PANEL. Safety Centers Year-in-Review	CLINICAL. PANEL. USAF's Total Force Accession Medical Waiver Division	POSTERS: Physiology
4:00-5:30 p.m. p.m.	<b>PANEL: CLINICAL –GRAND BALLROOM 12<sup>th</sup> Annual RAM Bowl</b> <i>Al Pamet, Rebecca Blue, Jan Stepanek, Robert Johnson</i>						

### THURSDAY, September 2

8:15-9:15 a.m. a.m.	<b>GRAND BALLROOM—55th HARRY G. ARMSTRONG LECTURE—Dr. Serena Aunon-Chancellor</b>						
10:00-11:30 a.m. a.m.	HP. PANEL. Human Performance and Neurological Effects of Hypobaric: Results of the Last 5 yr of Int'l Research	HP. SLIDE. Vision, Illusions, and Disorientation	SPACE. PANEL. Space Surgery: Past, Present & Future	CLINICAL. PANEL. Aeromedical Risk Analysis	SPACE. PANEL. Spaceflight Operations in the Time of COVID-19		POSTERS: Safety & Environmental Medicine
11:30 a.m.-1:30 p.m.	<b>SPECIAL LUNCHEONS—Space Medicine Association</b>						
1:30-3:00 p.m. p.m.	HP. SLIDE. What's new with Hypoxia?	HP. PANEL. Optimizing Personnel Selection in the Aviation Environment	SPACE. PANEL. Past, Present, & Future of NASA's Biomedical Flight Controllers	CLINICAL. SLIDE. Cardiac & Diabetic Risks - New Approaches	SPACE. PANEL. Innovations in Aerospace Medicine Education		POSTERS: Space Medicine
3:30-5:00 p.m. p.m.	HP. PANEL. Research & Practical Considerations on the Use of Extended Reality in Naval Aviation		SPACE. SLIDE. Medical Care in Space - Models, Analogs, and Predictive Analysis	CLINICAL. PANEL. Unusual Situations in Clinical Aviation Medicine: How to Manage?	OTHER. PANEL. Career Options After Residency in Aerospace Medicine		

<b>COLOR CODES</b>	<b>1. HUMAN PERFORMANCE (HP)</b>	<b>2. CLINICAL MEDICINE</b>	<b>3. TRAVEL &amp; AIR TRANSPORT MEDICINE (ATM)</b>	<b>4. SPACE MEDICINE</b>	<b>5. SAFETY</b>	<b>6. OTHER/HISTORY</b>
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