



# Ever Upward

## January 2026

### Draft Resolution Available for Comment

**Members:** the new draft resolution *Equipping Civilian Air Carrier Aircraft for Instrument Approaches that Utilize a Global System to Provide Positioning, Navigation, and Timing to Prevent Controlled Flight into Terrain Resulting From Night Illusions* is now available in the Members Only section. Please log in and, once on the Members Only page, scroll down to “Member News” and click on “Review Drafts” in the right-hand column under “Draft Resolutions”. Please read the resolution and leave a comment. It will be posted until March 8, 2026.

### Fellows Scholarship Winners

The AsMA Fellows Scholarship Committee is pleased to announce their selection of the 2025 scholarship winners.

#### Dr. Karolina Twardowska & Dr. Thomas Diaz



The 1<sup>st</sup> place winner was Dr. Karolina Twardowska for her presentation and published manuscript on “Cardiovascular Effects of Hypercapnia During Lower Body Negative Pressure and Head-Up Tilt”.

The 2<sup>nd</sup> place winner was Dr. Thomas Diaz for his presentation and manuscript on “Magnesium Alterations in Human Spaceflight”.

The AsMA Fellows Scholarship is funded by the AsMA Foundation and is presented annually to two AsMA members who are students in an aerospace medicine residency program, graduate program in aerospace medicine (Master or Ph.D.), medical certificate or aerospace diploma course, or in a full-time education/training program in the allied fields of nursing, physiology, human factors, psychology, ergonomics, or engineering.

Seven candidates delivered presentations at the 2025 AsMA meeting in Atlanta, GA (first eligibility requirement). Five candidates submitted manuscripts that were approved for publication in the AMHP journal (second eligibility requirement). The 1st and 2nd place winners are selected by the AsMA Fellows Scholarship Committee based on the highest scientific value, originality, quality, and relevance of the applicant’s presentation and AMHP manuscript related to the field of aerospace medicine (including allied scientific disciplines).

### New Members

AsMA welcomed 28 new members in the past month.

- Bara, Nicklas; Troy, MI, United States
- Bice, Alyssa; Gallatin, TN, United States
- Bronson, Hyrum; Dayton, OH, United States
- Burton, J; Herriman, UT, United States
- Cheriki, Mina; Los Angeles, CA, United States
- Chuku, Chigozie; Utica, NY, United States
- Cunningham, Claire; Charlottesville, VA, United States
- Duffy, Blake; Ellicott City, MD, United States
- Galloway, Amanda; Houston, TX, United States
- Gualberto, Antonio; Boston, MA, United States
- Gurel, Naz; Minneapolis, MN, United States
- Iino, Yuji; Tachikawa, Japan
- Lappeteläinen, Vesa; Oulu, Finland
- Liljeberg, Elisabeth Laima; Jūrmala, Latvia
- McDonald, Hannah; Rochester, NY, United States
- Meehan, Richard; Denver, CO, United States
- Nguyen, Christopher; Seattle, WA, United States
- Nunes, Davi; Belem, PA, United States
- Pickett, Thomas; Wahiawa, HI, United States
- Raja, Ali; Boston, MA, United States
- Revoir, Kathleen; Houston, TX, United States
- Sakamaki, Mashu; Kumagaya-Shi, Japan
- Smith, Steven; Fort Worth, TX, United States
- Tamayo, Stephanie; Pensacola, FL, United States
- Tan, Faye; Houston, TX, United States
- Tarlton, Andrew; Lavaca, AR, United States
- Thatcher, Nicole; Jacksonville, FL, United States
- Wickenberg, Austin; Calgary, Alberta, Canada

AsMA also welcomed back 1 returning member:

- Connolly, Joseph; Redding, CA, United States

### Visit Us on Social Media!

**X:** [https://x.com/aero\\_med\\_1929](https://x.com/aero_med_1929)

**FB:** [www.facebook.com/AerospaceMedicalAssociation](http://www.facebook.com/AerospaceMedicalAssociation)

**LinkedIn:** <https://www.linkedin.com/company/aerospace-medical-association-asma>

**Instagram:** [https://www.instagram.com/aero\\_med\\_1929/](https://www.instagram.com/aero_med_1929/)

**YouTube:** [https://www.youtube.com/@aero\\_med\\_1929](https://www.youtube.com/@aero_med_1929)

### Aerospace News Highlights

Every Friday, the Journal Department posts highlights of aerospace medical & research headlines to <https://asma.org/news/asma-news/> and to AsMA’s social media accounts. Read all about it!

Send information for publication in this newsletter to: Journal Department, AsMA: [rtrigg@asma.org](mailto:rtrigg@asma.org)

# News of Corporate Members

## BRC Is Newest Corporate Member

Biodynamic Research Corporation (BRC) is AsMA's newest Corporate Member. They specialize in accident reconstruction and biomechanical analysis, something they have done for over 30 years. During that time, they have evaluated incidents throughout the United States, Puerto Rico, Canada, Mexico, and countries abroad. Their consultants have provided testimony in over 4300 trials, and BRC has also conducted extensive research in accident reconstruction and biomechanics. They offer services such as accident reconstruction, injury causation analysis, trial exhibit development, radiology, laboratory testing, and biomechanics. They serve in the areas of automotive collisions, aviation, commercial transportation, industrial/construction accidents, sports and fitness, premises liability, recreational products, and restraint systems and helmets.

—Please visit <https://brconline.com/> to read more about this Corporate Member.

## Mayo Clinic Researcher Studies Breast Cancer Through Genetics

Mayo Clinic researcher Fergus Couch, Ph.D., has spent his career studying inherited breast cancer and cancer genetics. He is a consultant in laboratory medicine and pathology at the Mayo Clinic Comprehensive Cancer Center and holds the Zbigniew and Anna M. Scheller Professorship in Medical Research in Honor of Dr. Thomas J. McDonald. Earlier this year, Dr. Couch and other co-authors published a study in *Nature*, which included one of the most comprehensive functional maps to date of the BRCA2 cancer risk gene. By testing nearly every possible change in this gene, Mayo Clinic researchers can identify which patients are more likely to benefit from targeted cancer therapies. The work reclassifies previously uncertain genetic test results, helping care teams individualize cancer screening, prevention, and treatment. Together, it shows how Mayo Clinic is turning complex genetic data into information clinicians can use now, a central goal of precision medicine.

—Please visit <https://newsnetwork.mayoclinic.org/discussion/mayo-clinic-researcher-brings-new-clarity-to-breast-cancer-risk-through-genetics-research/> to read more.

## MedAire Announces Launch of Medical Monitoring Device

MedAire has announced the launch of VitalStream, an advanced medical monitoring device, designed to transform onboard healthcare for superyacht guests and crew. CE certified and FDA cleared, VitalStream assists yacht crewmembers to transmit real-time vital signs data directly to MedAire's medical professionals, enabling fast, accurate remote diagnosis and care. Ideally suited for the superyacht environment, the VitalStream wearable can be fitted in just 30 seconds and requires minimal training, making it suitable for any crewmember to use. It transmits over 20 live vital sign parameters to a secure cloud-based platform. These include: continuous blood pressure, heart rate (including 12-lead ECG), respiratory rate, body temperature, and hemodynamics. More than 1000 VitalStream devices are in use glob-

ally in both hospitals and pre-hospital settings. Crucially, the discreet, wearable nature of the technology aligns perfectly with the superyacht environment. VitalStream's launch also coincides with the newly released MediConnect app, which allows secure WiFi-enabled calling and improved accessibility for mental health support, including professional counselling. Together, these innovations remove any potential barriers for all guests and crewmembers to receive medical care and advice on yachts.

—Please visit <https://www.medaire.com/about/news-centre/vital-stream> to read more.

## AOPA-Supported Bill Highlighted in House Committee

The Pilot and Aircraft Privacy Act (PAPA), a bill strongly supported by the Aircraft Owners and Pilots Association (AOPA) that would prohibit the misuse of ADS-B data, was highlighted during a House Transportation and Infrastructure Committee hearing on Advanced Air Mobility (AAM) yesterday. In his testimony, Reliable Robotics CEO Robert Rose urged Congress to encourage broader adoption of ADS-B Out, such as reinstating the ADS-B Out rebate program that was in place prior to the 2020 ADS-B Out mandate. Rose added that PAPA would help improve adoption as well. During an exchange with Rep. Bob Onder (R-Mo.)—an instrument-rated private pilot and the sponsor of H.R. 4146 (PAPA)—both underscored

See "Corporate News", p. N3

## Corporate News Bites

**ALPA:** Capt. Jason Ambrosi, president of the Air Line Pilots Association, Int'l (ALPA), issued a statement in December after the U.S. Senate passed the ROTOR Act, a piece of bipartisan aviation safety legislation in response to the January PSA Airlines Flight 5342 tragedy. This Act mandates uniform, integrated ADSB-In technology for commercial aircraft to provide pilots greater awareness, a step forward in preventing future tragedies. Please visit <https://www.alpa.org/Press-Room/2025/12/Senate-Passes-Bipartisan-ROTOR-Act-to-Close-Aviation-Safety-Loopholes-After-PSA-Flight-5342-Tragedy> to read more.

**AMAS:** The Aviation Medicine Advisory Service (AMAS) welcomed Dr. Daniel Danczyk as an Aeromedical Advisory and Psychiatrist to their team in December. He is board-certified in Psychiatry and Aerospace Medicine. He will be training for additional roles within AMAS and is a current member of the Aerospace Medical Association. Please visit <https://aviationmedicineadvisoryservice.createsend.com/t/y-e-ajuihd-1-1/> to read the announcement.

**IFALPA:** The International Federation of Air Line Pilots Associations (IFALPA) released a position paper in December on the responsible integration of AI into civil aviation. While AI can strengthen decision-making, data analysis, and safety oversight, human perception, intuition, and judgment remain indispensable. Please visit <https://www.ifalpa.org/publications/library/eca-ifalpa-on-artificial-intelligence-in-civil-aviation--4315> to read more.

From "Corporate News", p. N2

the importance of ensuring ADS-B data is used solely for its intended purpose: air traffic safety and airspace efficiency. Both felt ADS-B data should not be used to monetize airport landing fees—it should only be used for safety, collision avoidance, and situational awareness in the cockpit. A companion bill, S. 2175, has been introduced in the Senate.

—Please visit <https://www.aopa.org/news-and-media/all-news/2025/december/04/pr-aopa-backed-ads-b-privacy-bill-highlighted-in-house-hearing> to read more.

### KBR Awarded Rail Project in Melbourne

KBR, as part of the Linewide Alliance, is proud to be awarded the Suburban Rail Loop (SRL) East Linewide Alliance contract. SRL is a city-shaping infrastructure project that will transform how people live and move around Melbourne. The 90-km orbital rail line will connect every major train line, link key precincts, and support vibrant communities. SRL East, the first stage, will deliver 26 km of twin underground tunnels and six new stations between Cheltenham and Box Hill, enabling 70,000 new homes near public transport, jobs, schools, and services. It will create diverse, accessible communities shaped by local input. The Alliance, comprising John Holland, Alstom, RATP DEC, WSP, and KBR, will deliver The Linewide package of works, which includes tunnel fit-outs, rolling stock, and construction of depot and maintenance facilities. KBR, alongside WSP as Designer Non-Owner Participant, is leading comprehensive design services and contributing to alliance management.

—Please visit <https://www.kbr.com/en/insights-news/stories/kbr-awarded-suburban-rail-loop-east-project-part-linewide-alliance> to read more.

### Reminders

The journal is now online only (starting January 2026) at <https://asma.kglmeridian.com/>. In conjunction, we have a print-on-demand (POD) system for those who wish a physical journal at <https://asma.directfrompublisher.com/>. We are not renewing print or print/online subscriptions, but are honoring current subscriptions through July 2026 through the POD system. If you have not received an email explaining how to order your issues, please contact Rachel ([rtrigg@asma.org](mailto:rtrigg@asma.org)) or Stella ([ssanchez@asma.org](mailto:ssanchez@asma.org)).

### Meetings Calendar

**Ongoing:** HFACS Workshops; ONLINE. Workshops on the The Human Factors Analysis and Classification System (HFACS) are now available online as well as in person. For more information, please visit <https://www.enrole.com/erau/jsp/course.jsp?courseId=HFAC&categoryId=558570F8> for in-person and <https://www.enrole.com/erau/jsp/session.jsp?sessionId=D0226-OHFA-V1&courseId=OHFA&categoryId=558570F8> for online.

**Ongoing:** International Astronautical Federation (IAF) Global Networking Forum Space Conversations Series; ONLINE, 14:00 Paris time. Please visit <https://www.iafastro.org/events/iaf-gnf-space-conversations-series/> for more info.

**Jan. 12, 2026:** American Institute of Aeronautics and Astronautics SciTech Forum; Orlando, FL, United States. Please visit <https://aiaa.org/scitech/> for more info.

**Jan. 26, 2026:** UHMS 2026 Winter Symposium; Whitefish, MT, United States. Please visit <https://www.uhms.org/education/featured-education/calendar/meetings/uhms-directly-provided-course/328-2026-winter-symposium.html> for more information.

The Need For  
**SPEED**  
Farther, faster, together.

The Aerospace Medical Foundation is working to accelerate its efforts by empowering the next generation of Aerospace Medicine scientists who will take humans to deep space. In order to achieve these objectives, they are setting a goal in the "Need for Speed" campaign of \$5 million by AsMA's 100<sup>th</sup> Anniversary! Donations can be in cash or in stock and can be made by credit card or PayPal through the [AsMAFoundation.org](http://AsMAFoundation.org) website. AsMA Members: consider joining the Heritage Society and include the Foundation in your estate planning.

Support the Foundation!

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can accelerate to  
Mach 10 by 2029!

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\$680,000