



Ever Upward: September 2022

AsMA 2022: Call for Papers

The Aerospace Medical Association's (AsMA's) 93rd Annual Scientific Meeting will be held in New Orleans, LA, May 21–26, 2023. The theme for this coming year's Annual Scientific Meeting is "Aerospace and the Next Generation." With emerging technology and new entrants into the aviation and space environment, it is now more important than ever to encourage the next generation of young people to consider entering career fields like aerospace medicine, engineers, operators, pilots, mechanics, and air traffic controllers to name a few. To quote a staff member, "if a young person can't see it, they can't be it." Many of our youth have no awareness of the career opportunities in aerospace medicine. Thus, aerospace medical professionals need to be out in schools and youth organizations telling their story. In addition, AsMA members will need to maintain a full awareness and, in many cases, a working knowledge of the innovations so we can better respond to needs of the aviation and space community. The future will require us to think differently as the airspace system changes. The full Call for Papers can be accessed through the [Call for Papers link](#) on the website.

Abstract submission for the 2023 meeting will open on or around September 1, 2022. It will close on November 1, 2022, with **NO exceptions** granted for late submissions. There is a 350-word/2500-character limit on abstracts, including spaces. **NO** tables, figures, or references should be included. Abstracts can be submitted through the link found on the [Abstract Submission page](#). Full instructions for submission and templates can also be found on this page. An important note to remember: **PLEASE** use a **PERSONAL** email address when entering abstracts for both yourself and your co-authors as institutions may block emails from the abstract submission site.

There are four types of abstracts: posters, stand-alone PowerPoint presentations which will be organized into slide sessions, invited panels, and workshops. Posters are on display for 2 full conference days, each in its assigned space, and will be electronic. There will be 20 spaces available per 90-minute period. Authors will be asked to present their poster



The Sheraton New Orleans as seen from the street.

during one of those 90-minute periods on one of the days posters are on display. PowerPoint presentations will be organized by topic area and presented during 90-minute blocks of time, 6 periods of 15 minutes each. Individual PowerPoint presentations are limited to 15 minutes, including 3 to 5 minutes for questions and discussion. Panels also have 90 minutes, ideally 5 presentations of 15 minutes each, followed by a 15-minute discussion period. Workshop presentations are by invitation, like panels, and the format is similar.

While withdrawing abstracts is discouraged, if it becomes necessary, an email should be sent to [Dr. Ian Mollan](#), the Scientific Program Committee Chair, and [Pam Day](#). Requests for withdrawal should include the abstract title, authors, ID number, and reason for withdrawal. Due to publishing deadlines, withdrawal notification should be received by January 15, 2022. As abstracts are published in Aerospace Medicine and Human Performance prior to the scientific meeting, a list of abstracts withdrawn or not presented will be printed in the journal following the annual meeting.

For students and residents, mentorship is available. You have the option to submit a draft of your abstract to a group of senior AsMA members for review and feedback. If you have questions about this opportunity, or to send your abstract, please email sciprog@asma.org. Email your abstract no later than 1 October 2022. The Program Mentor Group will review provide feedback via email by 20 October 2022. The abstract will still need to be finalized in the submission system.

All of this information and more can be found on the [Abstract Submission page](#) or the [Call for Papers](#) on the AsMA website. [Pam Day](#) can be contacted with any questions.



A view of the rooftop pool at the Sheraton New Orleans.

November Council and SPC Meeting

Nov. 16: Council meeting

Nov. 17: Scientific abstract peer review

Nov. 18: SPC meeting to finalize the meeting program

The Council and abstract review will be in-person at the Holiday Inn, Alexandria, VA. Reviewers should register with Open Water & bring a laptop or tablet to the review.

Send information for publication in this newsletter to: Journal Department, AsMA; rtrigg@asma.org

News of Members

Rowena Christiansen, M.Emerg.Health., MBA, M.B.B.S., B.A. (Hons.), LLB, Grad.Dip.Ed., DCH, Grad.Cert. Space Studies, ACCAM, and a Fellow of AsMA, developed a flagship topic, Human Health in the Space Environment, which was chosen to be part of the University of Melbourne's "Discovery Subject" stream within their M.D. course. It was launched in early March 2022 and received very positive feedback, so it is hoped this initiative will be continued as a pathway in space health for medical students. Dr. Christiansen has also created a 4-week module on humans in space for the Swinburne University of Technology's "Space and Microgravity Science" subject. This module covers space as an extreme environment, the history of human spaceflight, the key hazards of human spaceflight, and preparing to live on the Moon and Mars.

New Members

AsMA welcomes 36 new members in September.

- Abbey, Keith; Garner, NC, United States
- Brennan, Liam; Oak Lawn, IL, United States
- DeInnocentiis, Christina; Rockville, MD, United States
- Ellwood, Jason; Penscola, FL, United States
- Gary, Phillip; Rochester, MN, United States
- Goeckeritz, Joel; Green Cove Springs, FL, United States
- Gras, Jeremie; Namur, Wallonia, Belgium
- Ives, Emma; Durham, NC, United States
- Jha, Shankar; Edmonton, Alberta, Canada
- Jones, Kevin; Baltimore, MD, United States
- Long, Mollie; Santa Cruz, CA, United States
- Mascaro, Christian; Salem, MA, United States
- McLeod, Ryan; Hamilton, Ontario, Canada
- Minsinger, Kristopher; Milltown, NJ, United States
- Mirza, Senaa; Chesterfield, MO, United States
- Nandykazi, Tanya; Fremont, CA, United States
- Noakes, Mark; Albuquerque, NM, United States
- Prather, Jenifer; Memphis, TN, United States
- Roa Segura, Maya; Viera, FL, United States
- Rupert, Zachary; Brandywine, MD, United States
- Sadsad, Emmylou; Houston, TX, United States
- Smith, David; Rodenbach, Rhineland-Palatinate, Germany
- Stein, Matthew; San Diego, CA, United States
- Yeung, Jennifer; Toronto, Ontario, Canada

AsMA welcomes back two members.

- Katkoria, Gopal; Austin, TX, United States
- Nieto, Bryant; Cantonment, FL, United States

Visit Us on Social Media!

Twitter: https://twitter.com/aero_med

FB: www.facebook.com/AerospaceMedicalAssociation

LinkedIn: [https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace Medical,idx:1-1-1](https://www.linkedin.com/company/2718542?trk=tyah&trkInfo=tarId:1404740611720,tas:Aerospace%20Medical,idx:1-1-1)

FAA News

Secondary Flight Deck Barrier

The U.S. Department of Transportation's Federal Aviation Administration (FAA) has proposed requiring a second barrier to the flight deck on certain commercial airplanes. The additional barrier would protect flight decks from intrusion when the flight deck door is open. The proposed rule requires aircraft manufacturers to install a second physical barrier on airplanes produced after the rule goes into effect and used in commercial passenger service in the United States. Last year, the Biden-Harris Administration put the secondary flight deck barrier on its priority rulemaking list. During 2019 and 2020, the FAA worked with aircraft manufacturers, labor partners and others to gather recommendations that are included in today's proposal. The Administrative Procedures Act requires FAA to follow the full rule-making process for this mandate that Congress included in the 2018 FAA Reauthorization Act. [To read the entire release, visit <https://www.faa.gov/newsroom/faa-moves-secondary-flight-deck-barrier-requirement-forward>.]

Drone Research to Support Disaster Preparedness

The U.S. Department of Transportation's Federal Aviation Administration (FAA) has awarded grants to support research on how drones can assist in disaster preparedness and in emergencies. The research will explore the use of drones in providing effective and efficient responses to different natural and human-made disasters. It will address coordination procedures among drone operators from federal agencies as well as state and local disaster preparedness and emergency response organizations. The five universities who received the grants are: University of Vermont; University of Alabama Huntsville; New Mexico State University; North Carolina State University; and Kansas State University. This is the third round of Alliance for System Safety of UAS through Research Excellence (ASSURE) grants. [To read the full release, visit <https://www.faa.gov/newsroom/faa-awards-27m-drone-research-support-disaster-preparedness-emergency-response>.]

eFAST Contract Awarded

The Federal Aviation Administration (FAA) has awarded a contract for the Electronic Accelerated and Simplified Tasks (eFAST), which streamlines the procurement process using a web-based acquisition tool and automated workflows, to Oneidos, a venture company of O'Neil and Associates and Eidos Technologies, LLC. eFAST can reduce the time it takes to hire a contractor by as much as 65%. The contract provides a full spectrum of technical, engineering, scientific, administrative, and other professional services in support of the FAA through September 2024. [For the full release, visit https://www.prweb.com/releases/oneil_joint_venture_named_to_7_4_billion_faa_efast_contract/prweb18826910.htm.]

Read Current News Online!

Visit the AsMA, Member, & Industry News to see what's new! Members: please check the Job Fair each month; new jobs are posted as we receive them.

NEWS OF CORPORATE MEMBERS

Mayo Clinic Tests New Ablation Technique

A first-in-human multicenter trial involving Mayo Clinic used a new ablation technique for patients with ventricular tachycardia, an abnormally rapid heart rhythm that is a leading cause of sudden cardiac death worldwide. The trial tested needle ablation using in-catheter, heated, saline-enhanced, radio frequency energy, also known as SERF, to substantially increase heat transfer. The new process produces deeper, controllable lesion scars inside the heart muscle. The catheter can accurately control the ablation size and treat tissue that is deeper in the heart wall, which is where life-threatening arrhythmias that cause ventricular tachycardia are often found. Therapies of medication and traditional ablation may not be enough to prevent ventricular tachycardia. Therefore, many patients also have an implantable cardioverter-defibrillator (ICD) to address dangerous arrhythmias. While an ICD shock corrects the heart's rhythm, it does not prevent arrhythmia. In the trial, researchers used several methods to directly eliminate abnormal heart tissue that causes life-threatening rhythm. In the trial, 32 participants from 6 centers underwent needle electrode ablation. Each had experienced multiple episodes of ventricular tachycardia that did not respond to drug therapy after an ICD was implanted and standard ablation was done. For 31 of these 32 patients, their clinical ventricular tachycardia was eliminated immediately at the end of the procedure. Device therapies, such as shock or pace regulation, were reduced by 89% during the 5-month follow-up period. Five patients in this high-risk group had complications, primarily in the earlier procedures. The next step in this research is a larger clinical trial with approximately 150 patients to prove the findings and demonstrate the safety of the new SERF technology.

—Visit <https://newsnetwork.mayoclinic.org/discussion/first-in-human-trial-shows-promise-for-hard-to-treat-ventricular-tachycardia-heart-rhythms/> to read more.

UTMB Research Team Receives Funding Award

A Dartmouth-led research group including investigators from the University of Texas Medical Branch (UTMB) at Galveston has received a 5-year funding award from the Patient-Centered Outcomes Research Institute (PCORI), an independent, non-profit organization authorized by Congress to fund research that will provide patients, their caregivers, and clinicians with the evidence-based information they need to make better-informed healthcare decisions. The project will assess the effectiveness of visit information provided to older adult patients and caregivers—audio recordings vs. reviewing physician notes using the patient electronic health portal—on quality of life. To help the researchers determine the most effective approach to communicating healthcare visit information, the investigators will conduct the CHRONICLE Trial (Comparing Healthcare visit Recording and Open Notes to Improve the Chronic Illness Care Experience for Older Adults). In this trial, 900 older adults (65 years of age or older) with multimorbidity will be randomized to receive

clinic provider notes through the patient portal alone or notes along with visit audio recordings for all primary care visits in a 6-month period. The research team also consists of an active group of patient partners who identified the need for the trial. This group, along with other key stakeholders, will be actively engaged in all aspects of the trial.

—Please see <https://www.eurekalert.org/news-releases/959988> for more on this.

AOPA President Briefs Congress

AOPA President Mark Baker was among several general aviation leaders who informed Congress on the current state of the industry during a House Transportation and Infrastructure Committee hearing in July. Baker highlighted several issues including GA's improved safety record, aviation workforce challenges, airport hangar shortages, and the most pressing issue facing GA today: the need for a safe and smart transition to unleaded fuels for piston aircraft. In his testimony, Baker called GA an important fabric of our nation—a \$247 billion industry supporting more than 1.2 million jobs and serving communities with more than 5,000 public-use airports across the country. Baker outlined how GA weathered the storm in the aftermath of the COVID-19 pandemic, with an increasing number of aircraft taking to the skies without a compromise to safety. The hearing generated discussion on aviation workforce challenges—especially as travel woes such as weather, air traffic control delays, and staffing issues have come to the forefront in the news media. Baker and the GA leaders also fielded questions from the committee on topics including costs of flight training, diversifying the aviation workforce, designated pilot examiner shortages, and unleaded fuel.

—Please visit <https://www.aopa.org/news-and-media/all-news/2022/september/pilot/aopa-action-september-2022> to read more.

See 'Corporate News,' p. N63

Corporate News Bites

MedAire: MedAire was selected to provide aviation security services to Japan Airlines (JAL), the second largest airline in Japan. With MedAire's assistance, JAL's security personnel will be able to identify and assess risks during all stages of a flight both in the air and on the ground with the guidance of MedAire's security personnel. MedAire will also assist in analyzing threat data with their in-country analysts. *To read more, please visit <https://asianaviation.com/japan-airlines-appoints-medaire-as-its-partner-for-top-level-travel-threat-and-security-intelligence/>.*

ETC: Environmental Tectonics Corporation's (ETC's) Sterilization Systems Group announced it has been awarded a contract from an international customer. The contract includes three 14-pallet ethylene oxide ("EO") sterilization chambers with automated pallet conveyance for use with the sterilization of medical devices. *To read more, please see <https://www.etcusa.com/etc-awarded-8-3-million-contract-for-its-sterilization-systems-group/>.*

ALPA Urges Congress to Maintain High Standards for Pilots

At the end of July, shortly before the 12-year anniversary of the Airline Safety and Federal Aviation Administration Extension Act of 2010 being signed into law, the Air Line Pilots Association, Int'l (ALPA), the world's largest nongovernmental aviation safety organization, called on Congress to maintain the Act's strong pilot qualification and training requirements. The Act reduced U.S. airline passenger fatalities by 99.8%, becoming one of the most effective aviation safety measures in U.S. history. Identifying pilot qualification and training "as the highest priority" for the upcoming reauthorization of the Federal Aviation Administration (FAA), ALPA continues to push back on the false "pilot shortage" narrative being used by special interest groups in an attempt to weaken or undermine the single most-effective aviation safety feature on their aircraft: two highly trained, fully qualified pilots. ALPA has also launched an aggressive, multi-platform education campaign highlighting the extraordinary aviation safety improvements realized since the 2010 law was enacted.

—Please see <https://www.alpa.org/news-and-events/news-room/2022-07-29-congress-maintain-high-standards-pilot-qualifications-training> for more.

Want to see your company's news here?

Corporate Members get discounts. If your company is not a member, become one! Visit www.asma.org/corporations to learn more about membership benefits.

VAMTC22 Elevated

This tradeshow offers the newest technology and innovative products and services to the medical transport industry. The show will be held October 24-26, 2022, in Tampa, FL, USA. It offers 15 CEU credits and a variety of sessions, including a hands-on dissection lab and a mental health and wellness track. To learn more or to register, visit <https://www.eventscribe.net/2022/Elevate2022/>.

FAA AME Seminars

These are offered by the FAA AME Program office.

Sept. 22-24, 2022	Albuquerque, NM	CAMA
Oct. 24-28, 2022	Oklahoma City, OK	Basic
Nov. 18-20, 2022	Oklahoma City, OK	Refresher

The FAA recommends ensuring travel and hotel reservations are refundable as seminars may be rescheduled to be virtual with little notice. Please check the [FAA website](http://www.faa.gov) for more information.

KBR Awarded Geological Survey Contract

KBR announced it was awarded a \$20 million contract by the United States Geological Survey (USGS) Albuquerque Seismological Laboratory (ASL) for sustained support of more than 330 operational or proposed stations in 69 countries, including approximately 230 stations in the continental U.S. Under the scope of this cost-plus-fixed-fee recompetete contract, KBR will provide support for the deployment, operation, maintenance, and repair of USGS domestic and global seismographic systems. The KBR team will support the installation and operation of the USGS component of the Global Seismographic Network, a permanent digital network of more than 150 seismological and geophysical sensors. This work will take place out of the USGS ASL in Albuquerque, NM, adjacent to Kirtland Air Force Base. KBR will also provide support to the US N4 Network, the Advanced National Seismic System backbone network, additional regional networks, and earthquake aftershock deployments. Along with operational support to these networks, KBR support will ensure the quality and integrity of the data. This data is used for real-time seismic monitoring by the USGS National Earthquake Information Center, for tsunami warnings by the National Oceanic and Atmospheric Administration (NOAA) Tsunami Warning Centers, for nuclear test monitoring by both the Comprehensive Test Ban Treaty Organization and the U.S. Air Force, as well as for scientific research by a broad community of international users.

—Please visit <https://www.kbr.com/en/insights-news/press-release/kbr-awarded-critical-us-geological-survey-contract-support-domestic-and> for more on this.

MEETINGS CALENDAR

Please check the websites of meetings listed to see updates.

Calls for Papers - Ongoing: IAF's Global Networking Forum Space Conversations Series, online. Visit <https://www.iafastro.org/events/iaf-gnf-space-conversations-series/> for more information.

HFACS Workshops: 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?categoryId=&courseId=HFAC> for in-person and <https://www.enrole.com/erau/jsp/course.jsp?categoryId=558570F8&courseId=OHFA> for online.

Sept. 28-Oct. 21, 2022; Advanced Aeromedical Examiners Course; Oslo, Norway. This course is designed to meet EASA's requirements. For more information, please see the flyer or visit ESAM or the ESAM Academy.

24-26 Oct. 2022; AMTC Elevated 2022; Las Vegas, NV, and online. For more information or to register, please visit <https://www.ascend.events/>.