



Ever Upward: May 2021

2021 Associate Fellows Announced

The following members of the Aerospace Medical Association have achieved Associate Fellow status and were approved by the Executive Committee: Dr. Issaka Akparibo; Dr. Benjamin Easter; Ms. Margaret Grace; Lt.Col. (Dr.) Robert Kennedy; Lt.Col. (Dr.) Winton Laslie; Lt.Col. (Dr.) Erin Smith; and Dr. Rahul Suresh.

AMHP Still in Top 10

Ingenta recently analyzed data for all the titles on Ingenta Connect, and the Blue Journal ranks in the top 100 out of more than 11,000 titles for number of full-text downloads.

For February 2021:

- *Aerospace Medicine and Human Performance* ranks 4th with 3,371 full-text downloads.
- *Aviation, Space, and Environmental Medicine* ranks 13th with 2,117 full-text downloads.

For March 2021:

- *Aerospace Medicine and Human Performance* ranks 9th with 3,833 downloads.
- *Aviation, Space, and Environmental Medicine* ranks 20th with 1,991 downloads.

New Members

AsMA welcomes 25 new members in May.

- Afifi, Toqa; Al Wakra, Qatar
- Akusobi, Chidiebere; Boston, MA, United States
- Blackwell, Ryan; Houston, TX, United States
- Botz, Chad; Salina, KS, United States
- Browder, Kyle; Tempe, AZ, United States
- Chiu, Ivan; Ottawa, Ontario, Canada
- Dukes, Charles; Edmond, OK, United States
- Elliot, Jonathan; Pensacola, FL, United States
- Engstad, Kai; Portland, OR, United States
- Freeze, Christopher; Herndon, VA, United States
- Fukui, Riya; Houston, TX, United States
- Gregory, Ian; Annandale, VA, United States
- Knapp, Matthew; Caldwell, NJ, United States
- Koláčková, Zuzana; Roudnice nad Labem, Czech Republic
- Kuligowski, Morgan; Manhattan Beach, CA, United States
- Lawton, Catherine; Highgate Hill, Queensland, Australia
- Matza, Stephanie; Phillipsburg, NJ, United States
- Moïn-Darbari, Karina; Montreal, Quebec, Canada
- Monteith, Joseph; Amberley, Queensland, Australia
- Roy, William; Daphne, AL, United States
- Satulovsky, Carlos; Hollywood, FL, United States
- Shocket, Daniel; Reno, NV, United States
- Tak, Amit; Bangalore, Karnataka, India

Read Current News Online!

News is updated as we receive items. Visit AsMA's site to read all about it! Members: please check the Job Fair each month; new jobs are posted as we receive them.

- Thai, Katelin; Hampton, VA, United States
- Villalobos, Kareena; Mission, TX, United States

AsMA welcomes back 4 members.

- Cotton, John; Fairfax, VA, United States
- Holthaus, Kevin; Jacksonville Beach, FL, United States
- Lamond, Anna; Wirral, Cheshire West and Cheshire, United Kingdom
- Phelps, Shean; Houston, TX, United States

In Memoriam: Sir John Baird

AsMA staff were saddened to hear of the passing of Air Marshal Sir John Baird, a Fellow of the Aerospace Medical



Association (AsMA). Born in Blantyre, Nyasaland Protectorate, he graduated with an M.B.Ch.B. from Edinburgh University in 1961. He then served residencies at Western General Hospital in Edinburgh and spent 6 months touring longhouses along the Baram River in Sarawak. When the rebellion in Brunei broke out, he assisted in setting up a casualty clearing station in Marudi. He was also involved in

rescuing patients during the flooding following a typhoon on the Sarawak coast. His experiences flying in Royal Air Force (RAF) aircraft during these times made him decide to join the RAF as a medical officer.

In 1973, Dr. Baird returned from spending time in the United States and served as a senior medical officer at two 'fast jet' stations. While there he often argued against grounding aircrew. His next assignment was at HQ Strike Command as the Command Flight Medical Officer. During this time, he was involved in aircrew issues during very long range missions in the Falklands War, for which he received the Richard Fox-Linton Memorial Prize. He became commander of the RAF hospital at Ely in 1987 and was there when the Princess of Wales visited and the hospital became the Princess of Wales RAF Hospital. He was later promoted to Commodore and went to RAF Germany as the Principal Medical Officer. He became Principal Medical Officer at Strike Command 3 years later and then was promoted to Director General of RAF Medical Services.

In 1997, Dr. Baird became Surgeon General of Defence Medical Services, a position which had him overseeing significant cuts, including reduction in medical personnel, closures of military hospitals, and the effect on morale, recruitment,

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and retention. Later, from 1991–2000, he was Honorary Physician to the Queen. He retired in 2000, but remained active in volunteer work. He served on the Royal Society of Medicine's United Services Committee, in the Royal Aeronautical Society Aviation Medicine Group, and was a Fellow of numerous societies. He was appointed KBE in 1999 and was a Commander Brother of the Order of St. John. He was also President of the RAF Ornithological Society for many years.

An online obituary can be found at <https://www.telegraph.co.uk/obituaries/2020/11/22/air-marshal-sir-john-baird-surgeon-general-pushed-change-military/>.

CAMA Annual Meeting

The 2021 Civil Aviation Medical Association (CAMA) Annual Scientific Meeting will take place at the Embassy Suites - Brooks, San Antonio, TX, on September 23-25, 2021. Registration will open in early May. More info is available at <https://civilavmed.org/annual-meeting/>.

Obituary Listing: John C. McCafferty

AsMA Staff were saddened to hear of the passing of John C. McCafferty, SB, M.D., Col. (USAF, Ret.), in December 2019. Born in Cambridge, MA, Dr. McCafferty graduated from the Massachusetts Institute of Technology in 1979 and earned an M.D. degree from the Uniformed Services University of the Health Sciences F. Edward Herbert School of Medicine in Bethesda, MD, in 1983. He then served a surgical residency at Wright State University in Fairborn, OH. He entered the U.S. Air Force in 1979 and was a general surgeon, critical care surgeon, flight surgeon, and commander for 32 years. He served multiple deployments, including the Bosnia War and Operation Enduring Freedom. His awards included the Legion of Merit, Southwest Asia Service Medal, the Global War on Terrorism Service Medal, Meritorious Service Medal, Aerial Achievement Medal, Joint Service Achievement Medal, and Humanitarian Service Medal. He was a Fellow of the American College of Surgeons and a member of the Aerospace Medical Association. An online obituary can be read at: <https://www.legacy.com/obituaries/observer-reporter/obituary.aspx?n=john-c-mccafferty&pid=194617412&fhid=9690>.

NEWS OF CORPORATE MEMBERS

Mayo Clinic Develops Medical AI

Researchers within Mayo Clinic's Center for Individualized Medicine have developed an artificial intelligence (AI) platform that can uncover causal drivers and relationships embedded within complex biomedical data. The researchers recently tested their machine-learning framework, called Causal Relation and Inference Search Platform (CRISP), on multiomic colorectal cancer samples alongside NASA Frontier Development Lab data scientists and machine-learning engineers. The Mayo team presented and published its findings at the IEEE Global Conference on Life Sciences and Technologies held in early March 2021. "Identifying causal variables directly from observational data, and differentiating between causal relationships and misleading correlations, is a critical step toward understanding, diagnosing and treating rare and complex health conditions," said Dr. Kalantari, a machine-learning scientist within the center's Microbiome program and the principal investigator of the study. "No one, to our knowledge, has developed or applied such causal and invariant approaches for multiomic biomedical data before." Dr. Kalantari further said the novelty of such a platform comes from its ability to discover the underlying cause-and-effect relationships driving a patient's disease progression.

—Please visit <https://individualizedmedicineblog.mayoclinic.org/2021/03/29/mayo-researchers-use-ai-to-reveal-causes-of-complex-diseases/> to read the full article.

Serco and ADF Commission Mural to Honor ANZAC Day

Serco and the Australian Defence Force have collaborated to commission a larger-than-life poppy themed mural honoring ANZAC Day and a successful decade-long partnership. This year Serco is proudly celebrating 10 years of supporting the Australian Defence Force (ADF) under the Middle East Lo-

gistics and Base Services (MELABS) Contract, with 2020 seeing Serco expand their base support through the delivery of crucial Rescue and Firefighting Services (RFFS). To mark the growth of the contract and the successful long-term partnership between Serco and ADF, a poppy themed mural was designed and installed at the ADF main operating base, Camp Baird. "Poppies" also pays homage to ANZAC Day, signifying remembrance for those who have served in wars, conflicts, and peacekeeping operations around the world. Serco's Defence Managing Director said the mural was symbolic of the comradeship of those in the military and the relationship formed between Serco and ADF over the last decade. Additionally, The MELABS Catering team was recently recognized for their exceptionally high standard of service in the face of COVID-19 with a Global Pulse Award, Serco's premier award program reserved for the most outstanding achievements across the business.

—Please see <https://www.serco.com/aspac/news/media-releases/2021/serco-and-adf-commission-poppies-mural-to-honour-anzac-day> for more.

AOPA Senior VP Named IAOPA Secretary General

The International Council of Aircraft Owner and Pilot Associations (IAOPA) has named AOPA Senior Vice President of Government Affairs Jim Coon as its next secretary general. He will take over from Craig Spence—who is only the fifth leader of the 56-year-old organization—on August 1. As senior vice president of government affairs, Coon is responsible for the implementation of AOPA's political, legislative, and regulatory initiatives before Congress, federal agencies, and state legislatures. He has more than three decades of experience working with Congress and the avia-

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tion industry. Coon has held the role of staff director for the House Committee on Transportation and Infrastructure and majority staff director for the House aviation subcommittee. He has also served in leadership roles for the National Air Transportation Association, The Boeing Company, and the Air Transport Association (now A4A).

—Please visit <https://www.aopa.org/news-and-media/all-news/2020/may/pilot/aopa-action-may-2020> to read more.

MedAire's Security Solution Adopted by Metrojet

Metrojet, a Hong Kong-based, global business jet operator, announced it has added MedAire's operational security solution to its fleet, which is already covered by MedAire's in-flight and on the ground medical assistance service. This addition ensures best-in-class safety and risk management services for Metrojet's crew and passengers. The agreement sees MedAire providing Metrojet with in-depth real-time travel security reporting including destinations, regions, airspace, and airports, all professionally vetted and analyzed by aviation experts. In addition to digitally delivered content, the aviation security team are available around the clock for advice and activation of assistance services, responding to security risks, events and threats as needed. The operational security solution is underpinned by MedAire's Aviation Security Response Centre and complemented by local offices.

—Please see <https://www.medaire.com/about/news-centre/press-release-detail/2021/04/20/metrojet-and-medaire-celebrate-enhanced-partnership-with-implementation-of-medaire-s-operational-security-solution> for more.

ALPA Identifies Measures for a More Inclusive Workforce

The Air Line Pilots Association, Int'l (ALPA), sent a letter to U.S. Department of Transportation Secretary Pete Buttigieg outlining a plan to reduce the costs of becoming an airline pilot and create a more diverse and inclusive air transportation workforce while ensuring that the United States continues to stand as the unquestioned global leader in aviation safety. To ensure that the piloting profession is welcoming and accessible to all, particularly those who have traditionally been underrepresented in our career, ALPA is urging the government to: align federal funding support for the education required to become an airline pilot with that of other highly skilled professions; and make aviation education more accessible to minorities and underrepresented groups. ALPA also stated that the United States must do more to provide opportunity for those currently underrepresented in the piloting profession while continuing to maintain the highest safety standards in the world.

—Please visit <http://www.alpa.org/news-and-events/news-room/2021-04-08-measures-us-government-accessible-diverse-inclusive-pilot-workforce> to read more.

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KBR Unveils Office Garden in Singapore

Singapore is one of the world's greenest cities, but space is at a premium, so having a garden "in the sky" is a luxury. KBR's office in Singapore recently unveiled such a space where employees can go and have a break from their screens, reflect, and collaborate. The garden in the sky has been named Integrity Gardens by employees because integrity forms the backbone of the Singapore office culture. With this in mind, the team felt it only appropriate to name it after the value they hold so dear. Environmental sustainability is a top priority in Singapore and opening Integrity Gardens is a direct reflection of the passion the staff have for the Earth. Employees are encouraged to spend time outdoors during the workday and celebrated Earth Day this year by reflecting on the positive impact they can make to the environment. With the end of COVID-19 hopefully in sight, employees have plans to use this area for corporate functions and other client activities in the near future. The Singapore office will also be celebrating its 50th anniversary this year and look forward to showcasing this space.

—Please see <https://www.kbr.com/en/insights-events/stories/kbr-singapore-unveils-garden-sky-ahead-earth-day> for more.

NIOSH Plans Construction Safety Stand Downs

The National Institute for Occupational Safety and Health (NIOSH), along with its partners, is raising awareness of fall hazards and struck-by incidents--injuries or fatalities as a result of moving objects in work and lift zones. Therefore, they planned two construction safety Stand-Downs. NIOSH, its partners, and employers and workers across the nation held the second annual day-long National Stand-Down to Prevent Struck-by Incidents on April 26th and will hold the eighth annual week-long National Stand-Down to Prevent Falls in Construction in the week of May 3-7. Construction deaths reached over 1,100 in 2019, the highest level since 2011. Fatal falls account for 36% of all construction fatalities and climbed to 401 deaths in 2019, a 25% increase from 2018. Participating in one or both of these national stand-downs is an opportunity for employers and employees to pause work and reinforce safe work practices on the job; have a conversation about training, job hazards, protective methods, and speaking up about unsafe conditions; and discussing company safety policies, goals, and expectations.

—Please visit <https://www.cdc.gov/niosh/updates/upd-04-22-21.html> to read more.

MEETINGS CALENDAR

Please check meeting websites for changes.

May 2-5, 2021; 105th American Occupational Health Conference (AOHC 2021); ACOEM's annual meeting; online. Please visit [https://acoem.org/Learning/American-Occupational-Health-Conference-\(AOHC\)](https://acoem.org/Learning/American-Occupational-Health-Conference-(AOHC)).

Sept. 22-24, 2022; 1st International Conference of Aerospace Medicine (ICAM 2022); Paris, France. For more information, [please click here](#).

Oct. 25-27, 2021; 4th International Conference and Expo on Aerospace and Aeronautical Engineering; Valencia, Spain. Please visit www.scientificfederation.com/aerospace-aeronautical-engineering/.