



Ever Upward: April 2017

Scholarship Winners Announced

Anita Mantri Memorial Travel Scholarship

Rahul Suresh is currently a combined internal medicine and aerospace medicine resident at the University of Texas



Medical Branch in Galveston, TX. Rahul received his bachelor's degree from Rice University in Biochemistry and Cell Biology in 2008, following which he served as an Indicorps Fellow in rural India for a year. He subsequently received his M.D.-M.S. degree through the Mayo Medical School and Mayo Graduate School in Rochester, MN, in 2014. He has a wide range of clinical and opera-

tional aerospace medicine research interests that include evaluating occupational cardiovascular screening and surveillance techniques in pilots and divers, understanding the cardiovascular effects of G-exposures on spaceflight participants, and identifying methods to mitigate acute radiation syndrome risk during exploration missions. He aspires to serve as an operational flight physician and to pursue clinical and operational research advancing aviation and space medicine.

Dr. Suresh is a member of the Aerospace Medical Association and has presented at the annual scientific meeting several times. He is also a member of the Aerospace Medicine Student and Resident Organization and the Space Medicine Association. His awards and honors include being the member of the first-place team at the RAM Bowl in 2014, twice named Internal Medicine Intern of the Month by the University of Texas Medical Branch (UTMB), chosen Internal Medicine Quality Form 1st Place Oral Presentation Winner (UTMB), winner of AsMA's Stanley R. Mohler, M.D., Aerospace Medicine Endowed Scholarship in 2016 and of the Space Medicine Association's Wyle Scholarship in the same year, and Outstanding PGY-2 Resident in Internal Medicine by UTMB.

Jeffrey R. Davis, M.D., International Scholarship

Anthony Schiemer, B.Med., M.I.P.H., is this year's winner of the Jeffrey R. Davis, M.D., International Scholarship. From



Sydney, Australia, Tony is currently employed as an Aviation Medical Officer with the Royal Australian Navy. He is a private pilot with a background in mechanical engineering, with interests in humanitarian aid and disaster relief, as well as climate change and the related human health effects. He is currently training as a registrar in General Practice, Aerospace Medicine, and Occupational and

Environmental Medicine. A highlight of his aerospace medicine training to date includes the 2016 UTMB Principles

of Aviation and Space Medicine Summer Short Course in Houston, and he is due to commence the Diploma in Aviation Medicine at King's College London later this year.

Tony recently joined the Space Life Sciences Committee of the Australasian Society of Aerospace Medicine, and is conducting a review on the training and skill sets required for medical practitioners working in extreme environments. He hopes this will contribute to the selection and development of skills for those interested in isolated posts such as Antarctica, military medicine deployments, and spaceflight. He is a member of various groups, including the Aerospace Medical Association, the Aerospace Medicine Students and Residents Organization, the South Pacific Underwater Medicine Society, the Australian Society of Aerospace Medicine, the Australian Medical Association, and Engineers Without Borders. His awards include the Australian Defence Medal, the Duke of Edinburgh Award (Silver), the National Priority Scholarship, the John Flynn Scholarship, and the Sydney Medical Program and Mater of International Publish Health Scholarship.

Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship

James H. Pavela, M.D., is this year's winner of the Jeffrey R. Davis, M.D., Aerospace Medicine Endowed Scholarship. He is currently completing his residency in internal medicine



and aerospace medicine at the University of Texas Medical Branch in Galveston, TX. He was born in Maryland and grew up in Virginia, where he became interested in medicine after becoming a volunteer EMT for his hometown rescue squad. He graduated from the University of Virginia with a B.A. in Religious Studies in 2008 and afterwards spent 2 years overseas as a U.S. Peace Corps volun-

teer teaching health education in a rural village in Moldova. Upon returning, he attended Eastern Virginia Medical School in Norfolk, VA, and graduated in 2014. As a medical student, he rotated and worked with a research team investigating the cognitive effects of HZE in an animal model and later attended the NASA Johnson Space Center aerospace medicine clerkship, where he focused on the ultrasonographic measurement of fluid shifts. In addition to his residency training, he is currently helping research efforts in the fields of commercial passenger safety, cardiovascular risk evaluation, and skin cancer.

Dr. Pavela is a member of the Aerospace Medical Association and the American College of Physicians. He was UTMB Intern of the Year from 2014-2015, belongs to the Alpha Omega Alpha Medical Honor Society, and was an Echols Scholar in the University of Virginia's Honors Program. He has been an author on two published articles and on three abstracts, one of which was presented at the 85th Annual Scientific Meeting in San Diego.

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

Associate Fellows Elected

The following members of the Aerospace Medical Association have achieved Associate Fellow status and were approved by the Executive Committee: Ganesh Anbalagan; Erik Antonsen; Peter Baldwin; Raymond Basri; Rebecca Blue; Roderick Borgie; Natacha Chough; Tracy Dillinger; Justin Flatt; James McEachen; Dan Mirski; Shannan Moynihan; Cliff Nowell; James Pattarini; Danny Pizzino; Bonnie Posselt; Dietmar Raudzus; Tom Sheddan; Adam Sirek; Roland Vermeiren; and John Wyland.

Mapes Quoted in Airman Article

Col. Pete Mapes, USAF(Ret.), a Fellow of AsMA, was quoted in an *Airman* article on the Automatic Ground Collision



Avoidance System (Auto GCAS). This system can automatically pull a jet out of a descent when a collision with the ground is likely. It was developed in the 1980s by computer scientists at the Air Force Research Laboratory at Wright-Patterson AFB, OH. Col. Mapes was asked to review the system in 2003, leading him to verify mishap data from the Air Force, giving him the evidence needed to lobby for

the system's integration into fighter jets. To read the article, visit <http://airman.dodlive.mil/2016/11/point-of-recovery/>.

New Members

Bardrum, Benny; Roskilde, Denmark
Bates, Tyler; Boise, ID, United States
Bernett, Martin; Barking, Essex, United Kingdom
Castano, Albert; Woolwich Township, NJ, United States
Cohen, Daniella; Kiryat Ono, Tel Aviv, Israel
Cornell, John; Dayton, OH, United States
Delgado, Ricardo; Torrance, CA, United States
Dharmaraja, Arjuna; Miami, FL, United States
Garcia, Garret; Manila, Philippines
Hayamizu, Satoshi; Ota-Ku, Japan
Hintz, Courtney; Fort Walton Beach, FL, United States
Holman, Kaylee; Georgetown, IL, United States
Ito, Atsushi; Bunyo-Ku, Japan
Jones, Howard; Bangor, ME, United States
Losekamp, Tiffany; Franklin, OH, United States
Malloy, Thomas; Harleysville, PA, United States
Medina, Jesus; Miami, FL, United States
Mildenberger, Adam; Grande Prairie, AB, Canada
Munoz, Kimberley; Tucson, AZ, United States
Regm, Dara; Wright-Patterson AFB, OH, United States
Rios, Fernando; Camp Lejeune, NC, United States
Ruddock, Jacinth; Bronx, NY, United States
Sharp, Fiona; Floreat, Western Australia, Australia
Tomeldan, Jr., Conrado; Pasay, Philippines
Westgaard, Willy; Oslo, Norway
Wright, Heather; Ottawa, ON, Canada

Hello, Naples.

UHMS 2017 Annual Scientific Meeting

◆ June 29-July 1 ◆

Pre-Courses June 28 ◆ Post-Course July 2

NAPLES GRANDE BEACH RESORT
475 Seagate Drive ◆ Naples, Florida 34103

To register or for location, hotel and
travel information see:

<https://www.uhms.org/>

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NEWS OF CORPORATE MEMBERS

AOPA Announces Opening of 2017 Scholarships

AOPA is now accepting applications for the 2017 High School Flight Training Scholarship Program, which will award 20 flight training scholarships of \$5,000 each to eligible high school students. The AOPA High School Flight Training Scholarships have been helping to fund flight training for teenagers since the program made its initial award in 2016. It is intended to increase the number of young people who can pursue an interest in aviation and help them earn an initial pilot certificate. The 2017 AOPA Foundation Flight Training Scholarship program, which will award scholarships ranging from \$2,500 to \$5,000, was launched in 2011 to encourage student pilots to achieve their goals by facilitating a positive flight training experience. All scholarships are made possible by generous donations to the AOPA Foundation. Scholarship applications will be accepted until May 19, with the winners to be announced on June 23.

—Please see <https://www.aopa.org/news-and-media/all-news/2017/march/01/aopa-announces-2017-scholarship-offerings> to read more about this, including eligibility and links for the applications.

SAA Re-Launches Its Website

South African Airways (SAA) has recently launched its new-look website at www.flysaa.com, which promises more speed, more options, and more simplicity. Flysaa.com assists passengers with travel needs from booking a ticket to advance checking in, to upgrading travel class using the Step-Up product, or finding accommodation and renting a car. The website has been upgraded with new features and functionality, giving more choice to customers and encouraging more engagement. Its new features include a new simplistic design and content elements which are in line with global standards, making it easier to navigate. Added also are user-friendly icons directing customers to a more seamless travel experi-

Scholarships to 2017 ICASM Offered

The 2017 ICASM, will be held in Rome, Italy, in the Fall of 2017. The Italian Association of Aerospace Medicine and the National Association of Assistants and Controllers of Air Navigation have announced the VII edition of the scientific prize “I Guidoniani.” The scholarship prize will be 2,000 Euro for the best original paper in the field of medicine, psychology, or engineering, regarding man in atmospheric/spatial flight, and 2,000 Euro for the best original paper in the field of medicine, psychology, or engineering concerning human factors in air traffic control. Scientists below the age of 35 with a degree in medicine, biology, psychology, or engineering are eligible.

Completed and signed applications should be submitted online to: segreteria@aimas.it or faxed to: 06.99331577.

The deadline for applications is the 15th of June 2017.

The full application form can be downloaded from: http://www.aimas.it/docs/premio_guidoniani_2017.pdf.

ence. Another feature allows customers to rebook international flights. The new website is fully responsive and fully accessible for customers with special needs, including passengers that rely on assistive devices such as screen readers.

—Please visit <https://www.flysaa.com/about-us/leading-carrier/media-center/media-releases/newsroom#> for more.

Mayo Clinic Schools Ranked with Best Graduate Schools

U.S. News & World Report recently released its 2018 rankings for Best Graduate Schools across the nation. Mayo Clinic School of Medicine and Mayo Clinic School of Health Sciences, two schools within the Mayo Clinic College of Medicine and Science, are included on the list. Mayo Clinic School of Medicine advanced to a top 20 ranking in the report. Mayo Clinic School of Health Sciences, which focuses on training allied health professionals, once again received high ratings for two of its graduate-level programs. For the second year in a row, Mayo’s nurse anesthesia program ranked as one of the top 10 nurse anesthesia training programs in the nation. The school’s physical therapy program continued to hold a top 20 ranking among Best Health Schools. Long renowned for its medical degree training success, Mayo Clinic School of Medicine now ranks among the top 20 Best Medical Schools in the country for research, advancing from the No. 24 position in the 2016 survey. Also showing steady advancement is the medical school’s primary care ranking at No. 31, inching up from No. 32 in 2016. The U.S. News & World Report statistical surveys are sent in late 2016 and early 2017. For Best Medical School rankings, data gathered gauge expert opinion of graduate school program excellence and statistical quality indicators for graduate school faculty, research and students. The Best Health School rankings are based on peer assessment.

—Please see <http://newsnetwork.mayoclinic.org/discussion/schools-within-mayo-clinic-college-of-medicine-and-science-included-in-u-s-news-world-reports-best-graduate-schools-rankings/> to read more about this.

NIOSH Releases Mining Safety Web Tool

Safety Pays in Mining—a new, free web tool from the National Institute for Occupational Safety and Health (NIOSH)—shows mining companies the cost of worker injuries. This tool offers mining companies information on not only the cost of injury claims, but a few suggestions on how that same money might be spent in other ways. Preventing injuries saves workers from pain and disability

See ‘Corporate News’, p. N17

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and saves companies money at the same time. Injuries on the job profoundly affect mining companies' profits and daily operations. In addition to paying direct costs or increased premiums for workers' compensation insurance, mining companies might need to pay for overtime for other workers to fill an injured worker's role, cover training costs for a replacement worker, or divert administrative resources in the wake of an injury. With Safety Pays in Mining, mining companies can see in dollars what specific injuries, such as burns, fractures, dislocations, and sprains, might cost them. Companies can enter their own figures or use the sample values based on past workers' comp claims to show impact to profit margins.

—Please visit <https://www.cdc.gov/niosh/updates/upd-03-07-17.html> to see more on this.

MEETINGS CALENDAR

April 4-6, 2017; Arvind Chaturvedi Colloquium on Postmortem Forensic Toxicology in Aviation; Mike Monroney Aeronautical Center, CAMI, FAA, Oklahoma City, OK. For more information, please see the [Colloquium announcement](#).

May 19-24, 2017; ATS International Conference; Washington, DC. For more, please visit http://conference.thoracic.org/program/call_for_abstracts/index.php.

May 23-26, 2017; Preventive Medicine 2017; Portland, OR. The theme will be 'Achieving Health Equity Through Prevention.' For more information, please visit <https://www.eventscribe.com/2017/acpm-annual/>.

September 25-29, 2017; 68th Annual International Astronautical Congress (IAC); Adelaide, Australia. For more information, please visit <http://www.iafastro.org/events/iac/iac-2017/>.

Read Current News Online!

The AsMA, Industry, and Member news pages are updated regularly! There is also a form online on the Members Only page in the top right-hand column so members can send in their news. Let us know of promotions, job changes, awards, etc.

Upcoming FAA AME Seminars

| <u>Dates</u> | <u>Location</u> | <u>Seminar Type</u> |
|-------------------|-------------------|---------------------|
| May 1-4, 2017 | Denver, CO | AsMA |
| June 19-23, 2017 | Oklahoma City, OK | Basic |
| Aug. 11-13, 2017 | Washington, DC | Refresher |
| Sept. 14-16, 2017 | Greensboro, NC | CAMA |
| Sept. 22-24, 2017 | Denver, CO | Refresher |
| Oct. 23-27, 2017 | Oklahoma City, OK | Basic |
| Dec. 1-3, 2017 | Portland, OR | Refresher |

PLEASE NOTE: The only FAA seminar AsMA takes registrations for is the one held in conjunction with our annual meeting in May. For all others, please contact the FAA.

For more, visit: http://www.faa.gov/other_visit/aviation_industry/designees_delegations/designee_types/ame/seminar_schedule/.

Future AsMA Annual Scientific Meetings

April 29-May 4, 2017
Sheraton; Denver, CO

May 6-10, 2018
Hilton Anatole Hotel; Dallas, TX

May 5-9, 2019
Rio All Suites Hotel; Las Vegas, NV

May 17-21, 2020
Hyatt Regency, Atlanta, GA

May 23-27, 2021
Peppermill Resort Hotel, Reno, NV

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