

# SAFE News

Dedicated to Ensuring Personal Safety and Protection in Land, Sea, Air, and Space Environments

SAFE Association – Our 68th Year

Volume 26

Number 4

Fall 2023

## President's Message

By Kevin "Dumpster" Divers

68 years as an Association and geared up and ready for our 61st Symposium. The Board of Directors have spent a year refining, expanding, and bettering overall the SAFE Association experience. It is hard to show it throughout the year, especially if one does not keep up with the SAFE News, but I can assure you that we have made some big strides towards making your membership much more meaningful in terms of what you get in return. We are working out some final details on some education benefits that will be made available to members. We are making sure that your chapters are also supported by your dues paid. The next big step will take multiple years and a vote from membership to change the Constitution and Bylaws for the organization, but these will bring in certifications, better defined Associate Fellow, Fellow, and Senior Fellow programs that will help members stand out when looking for their next step in business in or out of the military or across Nations as we are fully looking at how we best support our International Members.

The Symposium Committee, brilliantly led by Emma Sutcliffe, have done a tremendous job preparing for our next two years at Virginia Beach for the Symposium. They took lessons learned from your feedback on the Mobile Symposiums (returning there in 2025 and 2026) and orchestrated ways we could

apply those to the new location while continuing to host the items most liked about the Symposium post-Pandemic. Our Science and Technology Program Co-Chairs, Dr. Peter Le and Dr. Alston Rush have done an excellent job getting our presentation slate looking better than ever. All told this will be a great networking, educational, and motivating experience for our attendees. There are many more to thank on and off of the Board of Directors and I look forward to going around to make sure that you know how important you have been to the Association this past year.

A personal thanks to everyone for their support over the last couple of years since I was elected as President-Elect. The challenge has been great and I hope you find that it has been a productive two years for the Association!

On behalf of the entire 2023 SAFE Association Board of Directors, thank you for your support over the last year. To those who are able to attend the Symposium as well as all who have or will be renewing their membership we are proud of what we have done to make that possible and encourage you all to bring more members on board and to our Annual Symposium!

*Kevin "Dumpster" Divers*

## UP-COMING EVENT

### EVENT

61st Annual Symposium

### DATE

October 10 - 12, 2022

### LOCATION

Virginia Beach, VA

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# President-Elect Message

By *Nicole Stefanoni*

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I'd like to imagine that as you read this newsletter, you are prepping for your attendance at this year's annual SAFE Symposium... or depending on the distribution date, you might already be there! We are excited this year to be at a new venue and it is certainly shaping up to be a great symposium thanks to the efforts of the Symposium Committee, led by the Chair, Emma Sutcliffe. Also, a thank you to our members - our annual symposium and the success of it also depends on your participation. Whether you contribute as an exhibitor or attendee, a technical presentation, a sponsorship, as a panel member, etc., you are adding value to our symposium and hopefully educating our community on something new!

While the company I work for, Life Support International, has been a corporate member of the SAFE Association for many years, it was in 2018 that they encouraged me to get involved more as an individual. Since 2018, I've held different roles on the Board; starting out as Symposium Chair, moving along to Vice President, and now President-Elect. I know it does not seem like a lot of time on the Board to have "paid my dues", but hey, when you've been a part of putting together a virtual symposium and made it through the COVID years, it seems like a lifetime! But in all seriousness, I've made good use of my time on the Board by learning from the long-standing Board members and listening to the fresh ideas from the newest members. I intend on continuing to learn and lean on my Board in the upcoming

year as I serve as SAFE President. I'm fortunate enough to be able to take on this role officially at the close of this year's Symposium, but not one person has all the answers and recognizing that allows you to surround yourself with the best team members. I'm very fond of the quote, "If you're the smartest person in the room, you're in the wrong room". I know I have bias, but the Board is truly made up of great, intelligent people who commit their time to making the SAFE Association better each and every year. The Board is comprised of people from different backgrounds within our industry, which provides the opportunity of having a wide range of expertise. There are different perspectives, different ideas, different initiatives, and this gives us the momentum we need as an Association to continue to grow and thrive.

While I nervously and excitedly prep for my future duties as SAFE President, I must acknowledge and thank our current President, Kevin Divers, for his work and guidance. He has diligently worked to identify the areas where the SAFE Association excels and the areas where we need improvement. Kevin has been sure to include me in the important matters, and it is my intent to pick up where he left off and carry forward the work that he started. A year goes by fast, especially when you are trying to make positive changes and pivot to new processes. Luckily for me, Kevin will still be around after his tenure as SAFE President and serve as Immediate Past President.

In closing, I would like to highlight that serving on the SAFE Board has afforded me the opportunity to make connections that I would not have otherwise made. It has put me on an accelerated path of learning, on the technology side as well as the business side. This is a huge benefit for me and I hope to return the favor by doing right during my time on the Board, no matter what role I'm in. And because of my positive takeaways from my time so far with the SAFE Association, I would highly recommend those of you reading this to consider serving on the Board in some capacity. We are always looking for new blood. I invite you to talk to any of the Board members at this upcoming symposium. Find out what the right fit is for you and the time you are able to commit; there are elected and appointed positions, you can chair a prime committee or serve as a supporting member of a committee, or be a part of one of our many Chapters. Whether you are new to this world or have been around for years, we all have unique ideas and opinions that can lead to great things.

I look forward to seeing you all in Virginia Beach and meeting some new people!

Thank you,

*Nicole Stefanoni*

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<https://www.facebook.com/SAFEAssociationUSA>



# SAFE Journal

By Dr. Camille Bilger, 2023 Journal and Editorial Committee Chair

## THE SAFE ASSOCIATION JOURNAL ACCEPTS MANUSCRIPTS SUBMISSION ALL YEAR ROUND!

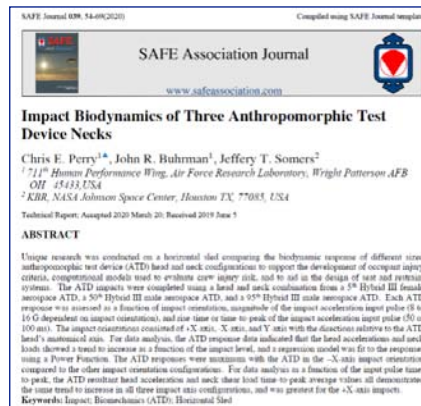
We accept:

- Original research articles
- Literature reviews
- Technical reports (example shown on the side)
- Short Communications/ Case studies (~4 pages)
- For example: acquisitions need or operationally observed challenges)
- Letter to the Editor: a short form of communication, to comment objectively on a previously published article.

Get writing! So that our community can benefit from your knowledge, your experience, your expertise; to make a difference for our servicemen and servicewomen.

### Get your work published!

The process for manuscript submission and publication is comparable to any other international peer-reviewed journal. A Guide to Authors will take you through the submission and publication processes. Please email me at Editor@safeassociation.com for further information.



# Share with us!

## The SAFE Information Management Team is looking to hear from you!

If you have anything you want to share with the SAFE community, you can email it to **lauren@proflightgear.com** or tag us on your post with these handles:



@SAFEAssociationUSA



@SAFEAssociation



@safeassociation



Safe Association

## SAFE Association Benefits!

### INDIVIDUALS

- Quarterly SAFE Newsletter
- Proceedings from the SAFE
- Annual Symposium
- All Symposium-related Mailings
- Reduced Symposium registration cost.
- Access to members only area of the SAFE Association website
- Voting privileges for your SAFE Board of Directors
- Submission information for our Annual Awards Program

### CORPORATE MEMBERS

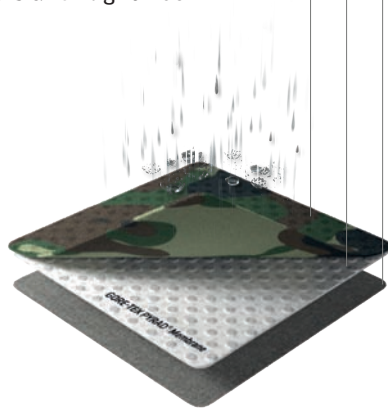
- Quarterly SAFE Newsletter
- Proceedings from the SAFE Annual Symposium
- All Symposium-related mailings
- Reduced Symposium registration cost.
- Access to members only area of the SAFE Association website
- Voting privileges for the SAFE Board of Directors
- Submission information for our Annual Awards Program
- Corporate listing and description of products and services on SAFE Association website with link to company website.
- Reduced registration and exhibit space fees for the SAFE Annual Symposium
- Free use of the SAFE Newsletter to deliver news releases - such as personnel changes, new products, new office locations, and contact information
- Corporate Membership includes a Primary and Secondary Corporate Representative

# GORE-TEX PYRAD® PRODUCTS

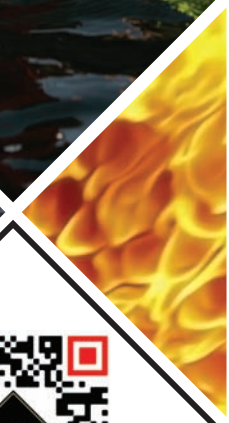
Offering a lightweight solution for **heat & flame protection**, self-extinguishing, durably waterproof, windproof, breathable fabric. Providing confidence with thermal insulation, thermal stability and flame resistance.

## GORE-TEX PYRAD® TECHNOLOGY:

- Heat & flame protection
- Waterproof, windproof, breathable
- Lightweight & flexible
- Maintains integrity after exposure
- Maintains heat & flame protection after heavy use (laundering/wear/abrasion)
- Low water pick up and quick dry out
- Used by the US Army and USAF on the Flame Resistant Environmental Ensemble (FREE EWOL)
- Used by the US Army and US Marine Corps on the Flame Resistant Fuel Handler's Ensemble
- Approved as "Safe to Fly" by the US Navy (NAVAIR) for Aviation and Aircrew
- Approved as "Safe to Use" by the US Navy (NAVAIR) for Maintainers and Flight Deck



FACE FABRIC  
ePTFE MEMBRANE / GORE-TEX PYRAD®  
FABRIC TECHNOLOGY  
OPTIONAL FLAME RESISTANT  
LINER (2L OR 3L)



SCAN TO  
CONTACT US



DURABLY WATERPROOF



TOTALLY WINDPROOF



QUICK REDRY



BREATHABLE



LIGHTWEIGHT



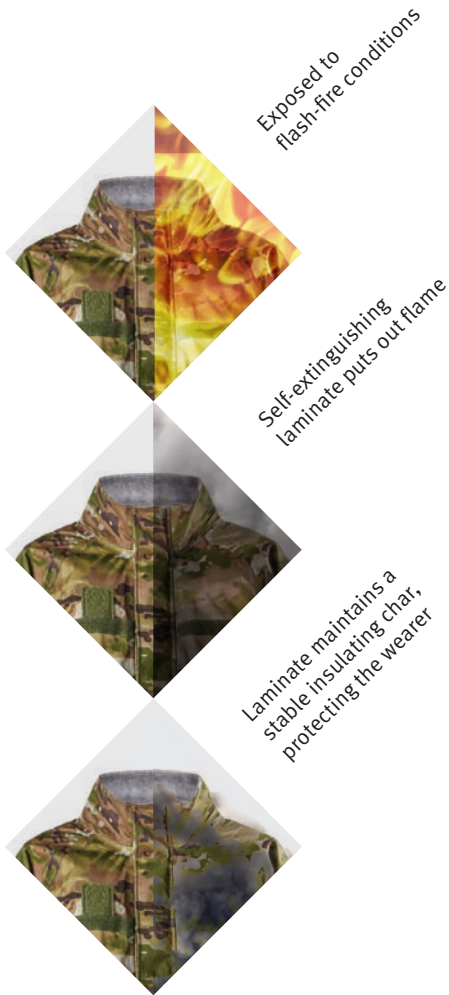
HEAT & FLAME PROTECTION



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More information: [www.goretexprofessional.com](http://www.goretexprofessional.com)

# GOING FURTHER, TOGETHER



GORE-TEX PYRAD® technology offers waterproof, windproof, and breathable heat and flame protection that is inherent to the fabric which is durable for the life of the product. It is not a flame resistant (FR) chemical treatment or coating and does not wear off over time. The technology can be universally designed with various textiles, such as nylons or polyesters, to provide FR performance while maintaining the desirable characteristics like abrasion resistance, lightweight, colorfastness and printability.

Additionally, all GORE-TEX Products meet our waterproof, windproof, breathable testing standards ensuring the end user stays dry in wet environments. The self-extinguishing properties provide lightweight and comfortable heat & flame protection for PPE demonstrating a low percentage of body burn.

## INTENDED END USE

Hard-shell Jacket & Pants, Immersion Protective Garments, Gloves, Tents/Shelters, Insulated Windproof Garments, and other gear that would require FR protection.

## TECHNOLOGY/PRODUCT IN USE EXAMPLES

For FR applications that require waterproof, windproof, breathable protection for: fuel handlers' suits, aviation and mounted applications (combat vehicle crewmen, flight deck personnel, and aircraft maintainers, etc.).

LAB TESTED FOR SUPERIOR PERFORMANCE  
FLASH FIRE MANIKIN TESTED

**GORE-TEX**  
PRODUCTS

**GORE**

To learn more about the technology or to evaluate the material, GORE-TEX Defense Fabrics at [www.goretexprofessional.com](http://www.goretexprofessional.com) or your Safe Association Member, Ladd Martel (Business Development – Gore Defense Performance Fabrics) at [lmartel@wlgore.com](mailto:lmartel@wlgore.com) or 443 553-1020 (mobile phone). Thank you.



**EAST/WEST INDUSTRIES, INC.**

AN INNOVATIVE COMPANY

2023 is coming to an exciting end as East/West celebrates multiple major milestones. First, we would like to congratulate all who have worked in Aircrew Life Support/Aircrew Flight Equipment (ALS/AFE) as they celebrate their 70th anniversary in conjunction with SAFE's 61st Symposium. SAFE's contribution to improving aircrew safety cannot be overstated and East/West is proud to be a member since 1977, we look forward to celebrating with everyone at the symposium in Virginia Beach. East/West also recently had its own special milestone, "August 4th marked our 55th anniversary of protecting aircrew lives", said CEO/President, Teresa Ferraro. "It's hard to believe how far we've come since our humble beginnings, and we couldn't have done it without the support of the aerospace customers we serve, our partners at SAFE, and our dedicated team members."

Over the years, East/West has faced challenges as many of us have, but we also have certainly experienced countless successes and growth. We've expanded our product line, opened new locations, expanded those locations, and developed strong partnerships with other businesses and governments in our community and throughout the world.

2023 also saw the retirement of Joe Spinosa, our VP of Business Development, co-owner and

son of Dom and Mary Spinosa - our founders. Joe dedicated much of his tenure to the SAFE Association throughout the years. This dedication includes receiving the President's Award in recognition for his advancement of the SAFE Association, Chapter/Association President, Committee Chair and Lifetime Member. Joe has contributed to the growth and achievements of East/West and developed successful, long-lasting customer relationships. These relationships were cultivated into highly desirable defense and commercial programs benefiting East/West, its customers, and the aviation community. Joe has also been an advocate for Long Island's future in the A&D industry, volunteering his leadership and experience to various business and community-based organizations.

The East/West executive management team has worked very closely and collaboratively with Joe over the last few years to ensure a seamless transition. Mike Vetter, Sr. Director of Product Development, with over 18 years of service at East/West has transitioned into an executive leadership role within East/West. Mike will coordinate all Business Development activities at East/West while continuing to lead the entire East/West Engineering team. Mike has worked side by side with Joe to ensure a smooth transition and assure continuity for our customers; he has been instrumental in the

design and development of many products to meet our customers' needs. Bill Koshansky, Business Development Manager, joined East/West over 4 years ago and has been a welcomed addition in providing complementary skills and leadership to our Business Development team. With over 20 years of business development experience within the Defense Aerospace sector, his expertise includes operator worn equipment, escape systems, oxygen systems, crashworthy seat systems, survival kits and ground support equipment.

Teresa Ferraro says, "I along with the entire team at East/West fully supports Joe's retirement and moving into his next chapter of life. As East/West enters its 55th year of business, I am excited to carry on the legacy of East/West as our parents, Dom and Mary Spinosa hoped. With my 39 years of tenure with East/West, I look forward to continuing to grow the business. My greatest pride will come from continuing to ensure that "Saving Aircrew Lives is our First Concern"."

Thank you to everyone who has been a part of our journey. Here's to another 55 years of innovation, success, growth, and making a positive impact in the industry.

2002 ORVILLE DRIVE NORTH, RONKONKOMA, NY 11779

TEL: 631 981-5900 • FAX: 631 981-5990 • WEB: [WWW.EASTWESTINDUSTRIES.COM](http://WWW.EASTWESTINDUSTRIES.COM)

# Austrian Air Force Takes Insta Pilot's Breath Air Monitor Into Use As A First Eurofighter User Country



Insta has signed an agreement with the Austrian Air Force for delivering Insta Pilot's Breath Air Monitor (IPBAM) hypoxia early warning system to Eurofighter fleet use. Insta Pilot's Breath Air Monitor is a hypoxia early warning system that reduces the risk of physiological events (PE's). Austria is the first Eurofighter user country who takes IPBAM into the use after completed test campaign. The Eurofighter is a multi-role combat aircraft developed by Germany, the United Kingdom, Italy and Spain in joint production.

## PATENTED INNOVATION IMPROVES PILOT SAFETY

Physiological episodes have still been reported across the globe and many countries are working to prevent them. Insta Pilot's Breath Air Monitor (IPBAM) alerts the user in low oxygen or pressure conditions and gives the pilot time to react and take corrective measures in good time. IPBAM is a standalone pilot gear and is not dependent on aircraft interfaces. IPBAM also delivers a data log for measured and calculated parameters. This data can be used to study the conditions in which the dangerous situation took place and monitor the



**Insta Pilot's Breath Air Monitor.**  
Source: Insta

long-term performance of the aircraft systems. The device makes it possible to prevent even very serious and costly aviation accidents.

- Operating high performance aircraft on the edge of physical and physiological limits always comes with risks for the aircrew. The usage of the IPBAM provides a reliable safety mechanism for the pilots oxygen supply, says Anton Sturmman, Air Material Staff of the Austrian Airforce.
- The possibility to use an interpreter for the recorded oxygen data renders an aircraft independent analysis possible, enabling a better understanding of the behavior of the oxygen system and the human body while being under extreme conditions.

The simple installation and the easy usage make the IPBAM a perfect support for future operations. Therefore - and after intensive testing with a fully satisfying result - the Austrian Airforce certified the IPBAM for the Austrian Eurofighter Typhoon fleet, Anton Sturmman continues.

The Finnish innovation improves aircrew safety, and the order will enable the use of IPBAM at every Eurofighter flight. United States Patent and Trademark Office (USPTO) has granted a patent to Insta Pilot's Breath Air Monitor in June 2021 and the device has NATO stock number.

Insta Pilot's Breath Air Monitor (IPBAM) has been developed together with the Finnish Defence Forces and is in use in the Finnish



**Austrian Eurofighter Typhoon.**  
Source: Austrian Airforce.

Defence Forces as well as in other countries. By combining our unique research, the possibilities from international partnerships and the close, long-term collaboration with the Finnish Defence Forces as a strategic partner, we are able to offer our expertise and purposeful products and solutions to the international defence technology market even more comprehensively.

Read more:  
Insta Pilot's Breath Air Monitor

*Insta empowers a secure and sustainable future. We are a front runner and a reliable partner for our industry, defence, software consulting and cyber security customers. By combining the state of the art know-how with intelligent technology, we improve our customers' safety and performance in a digitalizing world that is changing at an increasing pace. Our operating culture is founded on people, expertise and responsibility. In 2022, our family company's net sales were 153.4 million euros and number of personnel was approximately 1,100. For more information, please visit: [www.insta.fi](http://www.insta.fi)*

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## “In Memoriam” Rob Zegler

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Mr. Robert (Rob) Zegler, long-time SAFE Association member and Crew Systems/Human Systems Integration engineer, passed away on August 23rd, just after his 62nd birthday, from complications resulting from Huntington’s disease. Rob had over 30 years of experience in aerospace with emphasis in human systems integration, systems engineering, and project management. He was a well-known expert in crew protection and crew escape systems. He was also recognized as an Associate Technical Fellow and Boeing Designated Expert in human systems integration, crew protection and crew escape systems at the Boeing company.

Rob received his Bachelor’s degree in Aerospace Engineering in 1986 and Master’s degree in 1987 from the University of Michigan. He started his career at Rockwell International, El Segundo, CA, which merged with and became Boeing in 1996 and became Boeing North American. During his time at Boeing, he was the Program Manager for the Russian Foreign Comparative Technology, and Science & Technology Programs where he led an international test program under contract with the United States Air Force, and overseen by a joint USAF / United States Navy panel. This program team evaluated the operating performance of a Russian escape system and developed plans for introducing it into the U.S. fighter aircraft market. He was also the Cockpit Systems Integrated Product Team Lead, Joint Primary Aircrew Training System (JPATS) Proposal, responsible for overseeing completion of the Cockpit Systems IPT proposal, and supporting production of 3 prototype aircraft for the JPATS competitive fly-off. He was selected as a FAA DER Candidate and worked with FAA counterparts to identify FAA certification requirements and developing designs to meet them. Rob also led the Endo-atmospheric/ Exo-atmospheric Interceptor Hypersonics Team, was the National Aero-Space Plane (NASP) Hypersonic Separable Forebody Escape System lead, and also led the NASP Derived Vehicles life support systems team.



Working at the Boeing Huntington Beach facility, Rob was the Principal Investigator for the NASA Space Shuttle Upgrades that defined and traded alternatives to increase crew survival for the Space Shuttle. His efforts involved working with NASA to ensure that their requirements and goals were properly interpreted, planned and led each phase of the technical effort, and led technical effort on proposals to secure follow-on phases. He was Chief Engineer/Principal Investigator, NASA Strategic Launch Initiative (SLI), Technology Area 9, where he led a team comprised of Boeing technical and financial personnel, subcontractors, industry partners, and NASA centers, including proposal activities for the initial bid and subsequent follow-on bids. He also conducted research, requirements analyses, trade studies and demonstration test planning on advanced technologies for human space flight. Rob then became the Senior Manager, Human Systems Integration for Boeing Defense Systems and Boeing Research & Technology-Missouri research center business units, a dual-hat position managing HSI groups, where he planned and monitored research, development, design and test of advanced technologies and concepts.

Back at the El Segundo location, Rob provided Global Services and Support operations and pop up issues for the B-1B bomber program Integrated Battle Station, as well as supported Hazards of Electromagnetic Radiation to Ordnance (HERO) assessment for the aircraft. He also integrated, reviewed and submitted the Tailored Airworthiness Certification Criteria (MIL-HDBK-516B) document for the program.

Most recently, Rob was the Human Systems Integration expert at Triad Systems International where he worked Human Engineering and Human Machine Integration for the Airborne Early Warning and Control aircraft for the Australian Wedgetail program.

**Rob will be greatly missed.**



# Dinosaur Club, SAFE, and Sustaining SAFE Corporate Members

By Al Loving

As many may know, the annual Aircrew Life Support/Aircrew Flight Equipment (ALS/AFE) Reunion will be held October 9-11 in conjunction with this year's 61st Annual SAFE Symposium (October 10-12), 2023 at the Virginia Beach Convention Center (VBCC) in Virginia Beach, VA. Be aware that October 9 and 11 are the travel-in/out travel days. However, if you'd like to participate in the SAFE Golf Tournament on Monday, October 9, you'll need to travel in on Sunday, October 8.

Whether you are a regular attendee or you've never attended any of the reunions, now is the time to join us; it is the professional camaraderie that we formed during our time in uniform that brings us together. It's the perfect opportunity to renew old friendships, make new

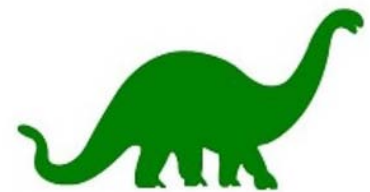
ones, and satisfy any curiosity you may have about the reunion and today's profession.

I urge you to join in the reunion and SAFE Symposium festivities in Virginia Beach, and help the profession celebrate its 70th birthday. There will be food and drinks, games, a golf tournament and a dedicated 70th Birthday Celebration on Tuesday evening in the SAFE Symposium's Exhibit Hall located in the VBCC. If you only want to attend the Farewell Dinner on Wednesday evening (October 11, 2023) you will be welcomed with open arms....just pay the \$60 Banquet Fee per attendee.

Follow this link <https://70531f.p3cdn1.secureserver.net/wp-content/uploads/2023/06/Jun-2023-Newsletter.pdf> to the June 2023 ALS/AFE Newsletter

to complete the registration form and submit as noted on the form No Later Than September 15, 2023. If you don't think your completed registration form will arrive in time, call SMSgt (Ret) Bob McElwain, ALS/AFE Reunion Committee Chair, at (760) 684-3790.

Best regards to all and I look forward to seeing you in Virginia Beach!



## *Reminder* to All SAFE Members

It is important that the SAFE Association has your current contact information so we can contact you and distribute SAFE products, such as the Newsletter. Periodically, please go to the "Member Login" at the top, right corner of the SAFE

Association web page. When the SAFE Directory appears, click on **"Update Your Profile"** at the top, left. Please review your personal information and, update anything that needs to be changed, and click on **"Save Profile"** at the bottom of the page. Your efforts are much appreciated!



## SAFE EUROPE 2024 REGISTRATION IS OPEN

We are pleased to announce that registration is open for SAFE Europe 2024. The event will be held at Carden Park, Cheshire, UK from the 18th to 20th March 2024. This is a great venue and we are looking forward to returning.

### THE OUTLINE PROGRAMME IS AS FOLLOWS

#### Monday 18th March 2024

- 1300hrs Exhibits Set-Up
- 1900hrs Welcome Drinks and Buffet

#### Tuesday 19th March 2024

- 0900hrs Opening Sessions and Key Note
- 1900hrs Gala Dinner (venue to be confirmed)

#### Wednesday 20th March 2024

- 0900hrs Opening Session and Key Note
- 1700hrs Closing Remarks

Options for an Industry Visit on Thursday 21st March are still being explored.

### REGISTRATION

Registration is now open and can be accessed via the Eventbrite Link: <https://www.eventbrite.co.uk/e/safe-europe-2024-carden-park-18th-to-20th-march-tickets-666039812007>



### ACCOMMODATION

Your accommodation can be booked by visiting [www.cardenpark.co.uk](http://www.cardenpark.co.uk) or call reservations on +44 (0)1829 731 007. The hotel rate is £159 per night for single occupancy (£169 for double occupancy), including breakfast and access to the leisure facilities, please quote SAFE180324 when booking.

### TRAVEL

#### By Air

- Liverpool John Lennon Airport is 60 minutes away
- Manchester international Airport is 50 minutes away

#### By Train

- Carden Park is 14 miles from Chester Station
- Crewe Station is only 30 minutes away by taxi

#### By Car

- When using a sat nav enter postcode SY14 7HZ.

### PRESENTATIONS AND EXHIBITION

If you would like to submit an abstract for a presentation, please contact [seday@qinetiq.com](mailto:seday@qinetiq.com)

If you would like to understand more about the exhibition space, please contact [Johall@ses-safety.com](mailto:Johall@ses-safety.com)

In the meantime, stay safe and well. If you would like to contact the Committee, please use [info@safeeurope.co.uk](mailto:info@safeeurope.co.uk) or visit the SAFE Europe website at [www.safeeurope.co.uk](http://www.safeeurope.co.uk)

Regards

*SAFE Europe Committee*

# Happenings Elsewhere

By Steve Merriman

## SAE International, G-45 Human Systems Integration Committee:

The major update and revision to SAE6906, "Standard Practice for Human systems Integration," has cleared editing and is on the way to the Systems Management Council for review and release. Once released, it will be submitted to the DoD for adoption as the preferred HSI standard. G-45 Human Systems Integration - Profile - SAE International

## ANSI/HFES 400-202X, Human Readiness Levels:

ANSI/HFES 400-202X, Human Readiness Levels: Still working diligently to get this standard adopted by the DoD. We are making progress getting the standard recognized by the Federal Aviation Administration (FAA). Publications (hfes.org)

## Human Factors and Ergonomics Society (HFES):

The next annual meeting is in Washington DC on 23-27 October at the Washington Hilton Hotel. International Annual Meeting (hfes.org)

## US Navy Aerospace Experimental Psychologists (USNAEPS):

Navy Aerospace Experimental Psychologists are flight-trained Naval Officers who apply their expertise in human factors and the behavioral sciences toward solving human performance challenges in naval aviation and across the fleet. If you are interested, either as a potential member or a supporter, please contact them at: Contact Us - NavyAEP.com

*(Continued on page 12)*

# Welcome

## NEW INDIVIDUAL MEMBERS

### Lulu Gao

Beijing, China

### Daisy Veitch

Yellow Springs, OH

### Geoffrey Moore

Marietta, GA

### Quy Phan

Chesapeake, VA

### Ben Grossman

Virgin, Utah

### Paul Olson

Tucson, A

### Zachary Kerns

San Antonio, TX

### Evan Pitts

Oxford, OH

### Tony Cartwright

Barre, VT

### Ron Ruxek

Roswell, NM

### Keith Gilbert

Chelmsford, MA

### Ittai Pelleg

Netania, Israel

### Jeffrey Swanson

Broomfield, CO

### Ted Angel

Springboro, OH

### Eugene Ebanja

Middleton, DE

### Barbara Shykoff

WPAFB, OH

### John Messina

Mesa, AZ

### Kelley Virgilio

Charlottesville, VA

### Jason Lasser

Chelmsford, MA

### John Maggio

Virginia Beach, VA

### John Rogerson

Virginia Beach, VA

### Cole Codzinski

Chelmsford, MA

### Nicholas Deane

Leominster, MA

### Chris Sokolove

Milford, TX

### Briana Ewing

Springboro, OH

### Fredrik Westman

Orebro, Sweden

### Wesley Bonin

Findlay, OH

### Rodney Ward

Coronado, CA

### David Mohl

WPAFB, OH

## NEW CORPORATE MEMBERS

### ESTAT Actuation

Pittsburgh, PA

### Bunker Supply

Goleta, CA

### Evolution Helmets, LLC

Melbourne, FL

### Aware

Atlanta, GA

# SAFE Pacific Rim Chapter

By Dr. Rob Yonover

Dr. Rob Yonover of the Pacific Rim Chapter of the SAFE Association was honored to be the kick-off speaker of the new RISE (Residences of for Innovative Student Entrepreneurs) state-of-the-art innovation and entrepreneurship center/student housing facility at the University of Hawaii at Manoa. RISE enables students from any field of study to live, study, and learn from their fellow residents as they pursue their current and future creative endeavors. Dr. Yonover provided an overview of what it takes to become a successful entrepreneur with one of the goals being to encourage the students to pursue unique creative projects that can become their life's work.

The main subject matter consisted of Dr. Yonover's inventions in the survival technology field and how they impact military, civilian, and government users - including SpaceX and NASA. Dr. Yonover emphasized that in many cases, the simplest solution will likely be the optimum solution, like his SeeRescueStreamer technology that is used worldwide to save lives. The mix of students was refreshing as it did not just include only males in engineering and science, but also people (men and women) in fashion, business, real estate and many other fields. Many times, the best innovations come from people

outside their own field and by having students live/eat/work in the same space, innovation will take place in many different ways and at non-traditional times! The mission of the SAFE Association is in some ways echoed by this concept as industry experts from all over the world with varied backgrounds exchange information and ideas via the SAFE Association, especially when we all come together at our annual SAFE Symposium!



Entrepreneurship Live

SHIDLER COLLEGE OF BUSINESS  
PACE  
THE UNIVERSITY OF HAWAII

FEATURING  
**DR. ROB YONOVER**

CEO and Founder of  
**SEE/RESCUE Corporation**

**SEP. 12**  
4:30 PM - 6:00 PM

@ **PACE at RISE**  
LEVEL 2

In partnership with COLLEGE OF ENGINEERING  
University of Hawaii at Manoa

sign up today at : [pace.shidler.hawaii.edu/live](https://pace.shidler.hawaii.edu/live)

*"Happenings" Continued*

**AHFE (Applied Human Factors and ergonomics) AHFE 2024 International Conference:** AHFE (Applied Human Factors and ergonomics) AHFE 2024 International Conference: The 15th Annual conference on Applied Human Factors and Ergonomics will be held at the Universite Cote d'Azur, nice, France on July22-37 2024. AHFE Conference

**HMI Evaluation Committee:** Formed in 2022, the Human Machine Interface (HMI) Evaluation Committee

promulgates best practices for assessing the human-machine interface of the coming generation of novel electric and VTOL aircraft. The committee will offer startup companies synopses of recommended practices already used for conventional aircraft, then develop new guidance as industry learns across all sorts of innovative piloted, remotely piloted, and supervised aircraft. To learn more or join, contact Chairman Al Lawless ([sfte@alawless.com](mailto:sfte@alawless.com))

# Wright Brothers Chapter News

By Mark Gruber

Mr. Jacob Gayman and Mr. Phinu Philip gave a presentation on the The ejection sequence is a complicated and dangerous process that must be further studied, especially with multiple injuries caused by ejection. The recovery sequencer is the system that helps dictate the ejection process. Experts want to understand what effects chatter, the rapid change of pressure to environmental sensor,

have on selection of the proper ejection sequence. A study in characterizing the ACES II Analog Recovery Sequencer was completed to determine how it works. The testing was completed via physical testing and modeling of the sequencer. Physical testing shows that the sequencer operates at consistent timings compared to published timings. The individual timings are faster than what is established, but the time between events is similar

to published data. Modeling the sequencer shows how the sequencer behaves in normal and chatter conditions. The model demonstrates that the sequencer will not operate unless it receives 12 ms of a constant mode. Future testing with the physical model is required to determine how chatter affects the sequencer. From there, chatter data from the model will be validated with chatter data from the physical sequencer.



*Attention  
Corporate Members*

**Please Send Us  
Your Advertisements!**

The SAFE membership is eager to hear about what is going on with your organization! Members want to hear about anything new....like job openings, internal promotions, new products, recent contract awards, accomplishments, plans, and patents. It is up to you! SAFE members are interested in what is going on with your organization and your product lines. Please consider sending articles for future SAFE News editions. They should be sent to:

**Stacy DeLoach Stuber**  
admin@safeassociation.com

**Steve Merriman**  
scmerriman@tx.rr.com

# SAFE 5K RUNNER 2023

WEDNESDAY, OCTOBER 11TH

Start Time: Walkers 6:45 AM • Runners 7:00 AM

## COME JOIN US FOR A SUNRISE 5K WALK/RUN ON THE VIRGINIA BEACH BOARDWALK



**OPEN TO ALL SAFE SYMPOSIUM ATTENDEES, FRIENDS AND FAMILY**

### LOCATION:

24th Street Park, Virginia Beach, VA

### COURSE MAP

<https://www.mapmyrun.com/routes/view/5545866442/>

### ONLINE REGISTRATION OPENS

Opens 10 July 2023 - Check the SAFE website for more details.

*\*\*\*Pre-registration recommended to receive a race shirt in your size\*\*\**

*Online Registration Cut Off: 6 October 2023*

### ONSITE REGISTRATION and PACKET PICKUP UP IS ONE DAY ONLY

Tuesday, 10 October from 10:00-16:00  
Next to the SAFE Symposium registration desk at the Virginia Beach Convention Center.

### ABOUT THIS EVENT

This USATF sanctioned 5k run is open to all SAFE Association Symposium attendees, friends and spouses. Walkers are also welcome!

### ONSITE REGISTRATION and PACKET PICKUP UP

Tuesday, 10 October (One Day Only)

Hours: 10:00 – 16:00

Location: Next to the SAFE Symposium registration desk at the Virginia Beach Convention Center.

### DAY OF EVENT SCHEDULE

06:00 – 6:45 am Warm up

07:00: Race Time

07.45: Awards and reception

### AWARDS

Given to top finishers in each category:

\*Top Overall Finisher, Male and Female

Top Finisher, Male and Female:

29 yrs and below

30-39 yrs

40-49 yrs

50-59 yrs

60+ yrs

\*Top overall finishers are not eligible to also receive an award in their respective age category. This award will go to the second-place finisher of that particular age category.

### VOLUNTEER

To be a Volunteer or Sponsor, please contact: Marcia Baldwin at: [mkbaldwin@coresurvival.com](mailto:mkbaldwin@coresurvival.com)

[Facebook.com/SAFEAssociationUSA](https://www.facebook.com/SAFEAssociationUSA)

# 2023 SAFE GOLF TOURNAMENT

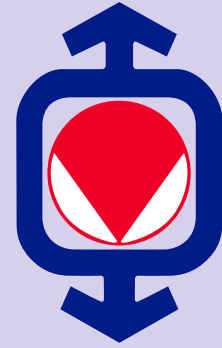
**MONDAY, OCTOBER 9TH**

**Start Time: 9:30 - 11:00 AM**

**Location: CYPRESS POINT COUNTRY CLUB**

**Virginia Beach, Virginia**

**5340 Club Head Rd, Virginia Beach, VA 23455**



## **COURSE STATS**

2A nine-time winner of the Virginian Pilot's "Best of the Best" award, Cypress Point offers a terrific Ault & Clark designed golf course! Cypress Point Country Club is an 18-hole, par 72, semi-private golf course.

## **START-TIME & DRESS CODE**

We will begin play at 9:30 AM with additional tee times every 8 minutes. The tournament format will be a 4-person team scramble. Cypress Point Country Club is a soft spike golf shoe facility that requires collared shirts for men and Bermuda length shorts. Proper golf attire is required.

## **PAIRING REQUESTS**

We will try to accommodate all pairing requests. Please specify handicaps and insure that the people you are requesting to play with also have you on their request list. Once the pairings are assigned, Ebby Bryce will send the list out to all golfers who provide an email address when they registered. We would like to have a few more of our SAFE ladies play again this year, and golfers of all levels are welcome to come out and have fun.

## **GIVE-AWAYS, PRIZES, ETC**

The golf committee is asking corporate members to consider providing give-a-ways in the form of golf balls, towels, tees, cash, etc. to be used as tournament prizes. If you are interested in contributing to this year's golf tournament and have questions, please contact Stacy Stuber in the SAFE Office at (541) 895-3012; e-mail [admin@safefassociation.com](mailto:admin@safefassociation.com) or Ebby Bryce, (757) 927-2461, e-mail [ebryce@ced.us.com](mailto:ebryce@ced.us.com). All contributions are appreciated and appropriate credit will be given in the SAFE Symposium exhibit area.

## **RENTAL CLUBS**

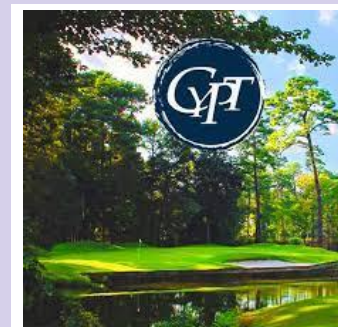
Rental clubs will be available to those who need them, but only if they are reserved in advance through either Stacy or Ebby. The rental fee is not included in the price below so if you reserve rental clubs you will need to show up early to pay for your rental clubs. Cost to rent clubs this year will be \$52. Those who ask for rental clubs on the day of the tournament may find they are not available - please do not wait!! Also, make sure you specify right or left hand clubs.

## **ENTRY FEE: \$85.00 INCLUDES**

Green fee, cart, range balls, prizes, and an awards banquet dinner at one of the host hotels after the tournament.

## **REGISTRATION**

Registration is on online only this year...please visit the SAFE website or follow this link to register: <https://www.safefassociation.com/index.cfm/golf/form>. The registration and refund deadline is Friday, October 6th, 2023 so please sign-up early. Due to the contractual agreement with the course, we cannot guarantee availability or refunds after this date. Please contact Stacy or Ebby if you have any questions related to the SAFE Golf Tournament and we look forward to seeing everyone at the course.



# 2023/2024 SAFE ASSOCIATION BOARD OF DIRECTORS

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**Nicole Stefanoni**

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