

LAND

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SAFE News

SAFE Association - Our 69th Year

VOLUME 27 | NUMBER 3 | SUMMER 2024

***You've Seen
the Picture,***

***Now Hear
the Story***



2024 Symposium
Keynote Speaker
Chris "Elroy" Stricklin
More inside...



DEDICATED TO ENSURING PERSONAL SAFETY AND PROTECTION IN LAND, SEA, AIR, AND SPACE ENVIRONMENTS

Features

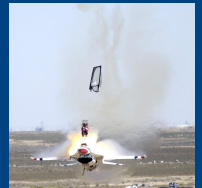
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On the Front Cover

Elroy Stricklin ejects from his F-16 aircraft in September of 2003 during a performance by the USAF Thunderbirds at Mountain Home Air Force Base, Idaho



On the Back Cover

The Starliner Capsule produced by Boeing launches on its first manned flight. The capsule sent two NASA astronauts to the International Space Station for this inaugural launch.



QUESTIONS OR COMMENTS ABOUT THE SAFE NEWSLETTER?

Contact the Information Management Team:

Info-mgt@safassociation.com

Follow us on Social Media



President's Message

By Nicole Stefanoni | SAFE Association President

Hello SAFE members! I hope you all have been keeping busy and having fun. I never know the best way to start these articles, so I'll just jump right into it...

Since my last newsletter write-up, the Board has held a Board of Directors meeting in Virginia Beach, Virginia. We dedicated two days for this trip; one day to meet with the team at the Virginia Beach Convention Center (VBCC) and another day just for the Board Meeting. It was necessary that the Board members (especially the Symposium Committee) meet with the VBCC team early to discuss lessons learned from last year and work on our plans for the upcoming Symposium. After that meeting concluded, we were then able to walk through the convention center with a keen eye for potential new room layouts for our technical sessions that are held throughout the Symposium week. Important information is shared during those sessions and our Science & Technology Committee wants to ensure everyone in attendance doesn't miss a thing.

Our second day in Virginia Beach was dedicated to our Board meeting. As you can imagine, an all-day meeting means a lot of discussion! But with discussion comes suggestions and new ideas. Every committee is crucial in keeping the "big SAFE machine" running and the BoD not only tackles the good stuff but confronts the not-so-easy stuff. While some may think most of our work throughout the year is dedicated to our Symposium (it is a significant amount of work though), it is not our only focus. Chapters activities, Association impact, social media engagement, membership value, acknowledgement of important contributions from our members, exchange of new technologies, meaningful partnerships, supporting the interactions between industry & government, and the list goes on of topics covered. Not only do we meet quarterly, but we also conduct monthly tag-ups to track our open action items. While it may sound time consuming, it is certainly rewarding when you see a plan come together and have positive results!

As you read through this newsletter, you'll have a better idea what my rambling has been about, as the individual committees will have more details to share. Hopefully you have been keeping up with our email distributions and social media postings. Some important reminders:

- We are seeking nominations for our Awards program that are announced at our annual Symposium. Do you know someone who should be acknowledged and fits the description for one of the SAFE Association Awards?
- Our Science and Technology Committee is seeking technical presentations - Be sure to submit your abstract prior to the close date.
- Have you ever thought about serving on the Board? Reach out to a current Board Member or our Administrator! Please know that we are always looking for new members, not only for an elected position but appointed positions as well. Or if you want to help but can't commit a lot of time, you could serve on a committee rather than being a chairperson.
- Registration for our Symposium is open! There are also sponsorship opportunities available if you want to highlight your company in an extra way.

Until next time, be SAFE and thank you for your continued support!

Keynote Speaker Day 1:

What does a bad day at the office look like?

For a Fighter Pilot, it means a split-second decision to try to live.

For Chris R Stricklin it was an unsurvivable, out-of-the-envelope ejection...

One which he now details and discusses for the first time ever!

This is the most documented and detailed ejection in the history of the Air Force.

From his unique First-Hand Experience Keynote of this historic 25-second flight.

You can improve: Your Life's Focus, Motivation, Leadership, Teamwork, Organization



SURVIVOR'S OBLIGATION

Our Keynote Speaker in Virginia Beach in October was flying as Thunderbird 6 (Opposing Solo) at Mountain Home AFB, Idaho on 14 September 2003. He ejected only 8/10 of a second, at an altitude of 140ft (42m), before impact and survived. Learn about Navigating an Intentional Life for there is an appreciation for each day shared by those who almost lost tomorrow.



Chris "Elroy" Stricklin
Former Thunderbird 6
Opposing Solo



Call for Award Nominations

By Joseph Spinosa | Chair, Awards Committee

ATTENTION: All Members of SAFE - Government, Military, Corporate, Academic, and Individual

This is the opportunity to recognize the achievements of your colleagues by nominating them for a prestigious SAFE award! If you don't recognize them, who will?

Since SAFE was founded 50+ years ago, one of our key goals has been to provide an opportunity for participants in our field to be formally recognized for their contributions. Each year the SAFE Board of Directors announces the recipients of our industry recognition at our annual Symposium.

The SAFE Association Awards Committee is now accepting nominations for the following awards, and we need you to help us identify deserving candidates. We invite you to review the criteria for each award and nominate a worthy colleague or team.

All nominations should be submitted by the close of business, **Wednesday, 31 July 2024.**

Nominations should follow the guidelines provided on the SAFE Association website, see <https://safeassociation.com/>.

Once received, the Board of Directors will evaluate each nomination based on relevance to the award criteria and the detail of the supporting information provided in the submission. This ensures the awards go to the most deserving recipients.

To identify the most deserving recipients, we need your nominations! We all know of individuals across our industry with significant accomplishments over the past year or their entire career. Project and Program Teams that have made recent major contributions are also prevalent in the military, in new product development, contract service providers, and academic research communities.

The Award categories are:

MICHAEL R. GROST CAREER ACHIEVEMENT AWARD

Recognizes the career of a deserving individual for their significant contributions to the field of safety or survival.

GENERAL SPRUANCE INDIVIDUAL ACHIEVEMENT AWARD

Honors an individual who has made a recent outstanding contribution in the safety field through leadership toward or significant advancement of safety and survival improvements. This contribution can be made through education, knowledge, science, application of investigative techniques, or engineering.

TEAM ACHIEVEMENT AWARD

Acknowledges the recent accomplishments of a team in the field of safety or survival through an advancement in the education, knowledge, science, application of investigative techniques, or engineering associated with a significant improvement in safety or survival.

MERITORIOUS SERVICE AWARD

Is presented to the person or persons, civilian or military, who have demonstrated a recent outstanding contribution to the preservation of human life through an action of courage.

MURRAY P. KOCH INDUSTRY AWARD

Distinguishes a member of industry who has made recent significant contributions in the advancement of technology or hardware for safety and survival applications.

...Continued on Page 6

...Continued from Page 5: **CALL FOR AWARD NOMINATIONS**

We encourage you to reflect upon a person or team who is deserving of recognition by the industry we serve. Take the time now to write up a nomination and submit it to SAFE as soon as possible but no later than **Wednesday, 31 July 2024.**

Go to <https://safeassociation.com/>, click on the AWARDS tab and access the nomination form. Complete the form and submit it either through the website, via fax, or mail to the SAFE Association.

Specific criteria for each award can be found on our website.

The person or team being nominated can be either a current Member or Non-Member. However, all nominations must be submitted by a current SAFE member.

Recognizing our deserving colleagues is an important way for us to acknowledge their career achievements and set the bar for our younger colleagues. Again, the deadline for submissions is close of business on **Wednesday, 31 July 2024.**

The SAFE website is open for nomination submissions. For other questions please email the SAFE Administrator at admin@safeassociation.com or call (541) 895-3012.

SAFE ASSOCIATION AWARDS COMMITTEE

Call for Board of Directors Nominations

By Ebby Bryce | Chair, Nominations Committee

2024 SAFE Association election cycle is in full swing. Candidates sought for the following elected board positions:

- **President-Elect – Pre-requisite.** Eligibility for nomination and election to the office of President-Elect shall require two years of continuous active membership in the Association and a minimum of one term as an elected or appointed member of the Board. The President-Elect shall ascend to the office of President upon the close of the 2025 SAFE Symposium. In the interim, the President-Elect shall be a member of the Board and performs such duties as delegated by the sitting President. Additionally, the President-Elect shall familiarize him- or herself with the duties of the office of President. In the event both the President and Vice President are incapacitated or otherwise unable to act, the President-Elect shall perform the duties of the President during the period of such incapacity or inability to act.
- **Vice President – No Pre-requisite.** The Vice President shall be a member of the Board. The Vice President will familiarize themselves with the activities and duties of the President and will act as the Chairperson of the Finance Committee. If the President is not available to officiate, the Vice President will act during the vacancy. In the event the President shall become permanently unable to perform the duties of the office, the Vice President shall become the acting President.
- **Secretary – No Pre-requisite.** The Secretary shall assist the Association Administrator or other Board member as directed in accordance with the procedures, established by the Constitution and Bylaws, and shall assure the written record of the association is maintained and available to the members.
- **Treasurer – No Pre-requisite.** The Treasurer shall oversee the Association's financial records in accordance with the procedures, established by the Constitution and Bylaws, and shall assure the issuance of at least one financial statement annually.

To be approved, each candidate must be a current member in good standing to run for office. We encourage you to consider volunteering your talents and/or actively recommending qualified associates to be a candidate by stepping up and pitching in with creative, thoughtful and collaborative energies. Additionally, elected and appointed board members are expected to attend the quarterly Board of Directors meetings. Your participation clearly helps further the viability of the SAFE Association in its role of supporting, protecting and saving the lives of those who intentionally go out into harm's way.

SAFE members who have any interest in pursuing one of the elected offices or would be interested in serving in an appointed board position please contact the SAFE Administrator, Stacy Stuber at admin@safeassociation.com, a current SAFE Board member, or one of the following Nominations Committee members no later than June 30, 2024:

Ebby Bryce, Chairperson, ebryce@ced.us.com (757) 927-2461

Kevin Divers, Committee Member, kevin@proflightgear.com (615) 681-2539

Nicole Stefanoni, SAFE President, nicole@lifesupportintl.com (215) 385-4345

The Nominations Committee thanks you in advance

Corporate News THE LATEST FROM GENTEX CORPORATION



With a history of innovation that spans 130 years, Gentex Corporation is the leading supplier of high-performance flight equipment for military, law enforcement, aircrew, and aircraft maintainers worldwide. The company's comprehensive line of durable and innovative helmet systems for fixed wing, rotary wing, and cross-platform applications allows for the easy integration of advanced capability upgrades without sacrificing protection. An equally comprehensive line of hearing protection and communication solutions provide these users with superior hearing protection and precise, intelligible communications in the most extreme noise environments.

Alternative Night Vision Goggle Mounting System Now USAF Approved



Gentex is excited to announce that the Alternative Night Vision Goggle Mounting System (ANVGMS) is now USAF approved for non-ejection seat aircraft. ANVGMS is a more capable helmet solution for night vision goggles (NVGs) and chemical, biological, radiological, and nuclear (CBRN) mask use cases compared to the HGU-55/P helmet system, allowing a more comfort stable and natural head position when using NVGs, increased for the user and integration of additional accessories. There are two options to provide alternative NVG mounting capability, the Ops-Core® FAST® Carbon Aircrew Helmet and the Ops-Core Skull Mounting System Aircrew (SMS). Both allow for integration with current NVGs and allow for better integration of NVGs and the M69 CBRN mask, mitigating the risk of leaks, as well as reducing the burden of hot spots when wearing NVGs over the CBRN mask.

Proud Partner of the Blue Angels

Gentex Corporation is proud to be a partner of the Blue Angels. The Blue Angels are the US Navy flight demonstration squadron formed in 1946. This iconic team of elite aviators showcase naval aviation through acrobatic performances and are known all over the world for their high precision flying and high-speed maneuvers.

In 2023, the US Navy contacted Gentex Corporation to commission new visors for the Blue Angels flight team, as their current visors were providing poor color neutrality and a safety concern. Color neutrality is the ability of the visor to accurately transmit and reproduce colors without distortion, essential to dynamic flight operations. The Blue Angels' current visors were distorting colors, making everything appear blue. Gentex's engineering team analyzed the mirror coating on the current visors and formulated a new coating to address the color perception and safety issue. The newly designed visors created by Gentex undergo a vacuum deposition process to evaporate metals from the visor creating a reflective gold mirror surface which is then protected with an advanced anti-scratch coating. These visors are rigorously tested to meet military standards for performance. The new visors corrected the color neutrality and transmittance issues, leading to improved spatial awareness, better ability to read instrumentation, enhanced situational awareness, and improved visibility in low light. This collaboration with the US Navy highlights Gentex Corporation's commitment to advancing military technology and supporting the needs of elite flight teams like the Blue Angels. With these new visors, the Blue Angels can continue to perform with precision and confidence, maintaining their status as a world-renowned aerobatic team.

To learn more about Gentex Corporation, visit www.gentexcorp.com.



ATTENTION CORPORATE MEMBERS:

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! Please consider sending articles for future SAFE News editions.

Send to: admin@safeassociation.com

Secretary's Report

By Scott Butler | SAFE Association Secretary

Dear SAFE Members and Supporters,

It is my pleasure to bring you a summer update from the SAFE Association. In this newsletter, I will share highlights from our recent Board meeting, as well as updates from some of the committees working tirelessly to advance our mission of promoting safety and excellence in the safety industry.

The most recent Board meeting, held on May 22nd in everyone's favorite city, Virginia Beach, VA, was chaired by our dedicated President, Nicole Stefanoni. The day-long event was an important opportunity to discuss the Association's business and evaluate strategies to support execution in key areas. Overall, the Board meetings bring together a dynamic team of industry and government members, all serving in a volunteer capacity to ensure the continued success of the Association and its mission of being "dedicated to the preservation of human life."

The first order of business was to approve of the minutes from the previous Board meeting that was held virtually on February 7, 2024. Following this, we moved quickly into updates on a number of open action items, detailed notes of which will be available separately in the minutes from this meeting. Among others, the discussion topics included:

- Recruitment of new members, both corporate and individual
- Ongoing engagement with the Navy's PMA-202 (Aircrew Systems) and the Air Forces' WNU (Human Systems) leadership to ensure SAFE remains aligned with their priorities and to encourage their involvement in Industry Days as part of the Symposium in October
- SAFE's 62nd Annual Symposium (October 22-24, 2024), including Keynote Speaker(s), scheduling and other logistical concerns, Industry Days and the CAD/PAD Summit to be held in conjunction with the Symposium
- A report on the activities of SAFE Chapters around the globe
- A poignant discussion on how to recognize members' contributions over the years

Following discussion over these open action items, the Board received updates from many of the Association's committees.

- The Journal and Editorial Committee, chaired by Dr Camille Bilger, reported that they are in the compilation phase for the upcoming Journal and would welcome additional submissions for inclusion. Of note, submissions can be made at any time and Dr. Bilger continues to proactively engage SAFE's membership to solicit additional articles.
- The Symposium Committee, chaired by Emma Sutcliffe, shared their progress in organizing the upcoming Symposium – once again to be held in scenic Virginia Beach. Substantial work has been accomplished, but she continues to refine room allocations and other elements necessary to ensure the event's success.
- The Treasurer's Report, presented by John Hampton, highlighted the financial stability of the Association. SAFE remains in a healthy financial position with available funds at the end of 2023 roughly the same as in previous years. Given this, the entire Board remains optimistic about the organization's future sustainability.
- Kevin Divers, last year's SAFE President and Chairman of the Association Development Committee, led an energetic discussion covering a number of topics critical to ensuring the Association's continued health and growth. The discussions ranged from reimagining the Fellows Programs and redefining membership qualifications to potential modifications of the Association's Constitution and By-Laws. There were a number of takeaways that will be detailed in subsequent reports.
- Joe Spinoza, leader of the Awards Committee, reported that he continues to tally votes for awards that will be presented at the October Symposium.
- The Information Management Committee, led by Lauren Divers, has been receiving numerous accolades for all of the innovative ways that they strive to grow the Association's presence in social media spheres as well as for their re-design of the SAFE website and other, related efforts. The Association is realizing substantial financial savings due to this Committee's efforts.
- The Science and Technology Committee, chaired by Glenn Paskoff, reported that they continue to accept abstracts and are working with the Symposium Committee to determine the best layout for the numerous technical presentations that are at the heart of the overall event.

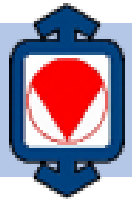
- The indefatigable Ted Poe, Chairman of the Strategic Planning Committee, discussed the warm welcome SAFE received at the Air National Guard’s Workshop in Reno, NV and introduced numerous initiatives to help facilitate better internal and external engagement for both the Association’s leadership and its membership.

The next Board meeting is scheduled for August 7th in Mobile, AL, site of the 63rd and 64th Symposia and there will certainly be a number of important discussions and decisions made as the SAFE leadership Team prepares for the October event.

I would like to take this opportunity to express my gratitude for the remarkable support I receive from so many members of the SAFE Association. More importantly, our membership’s continued engagement remains the cornerstone of the Association’s success – all contributions are valued.

Thanks to each of you for your commitment to safety and excellence in our industry. I look forward to the exciting times ahead and wish you a productive and rewarding summer.

NEW INDIVIDUAL MEMBERS:



Danielle Rhodes

Helena, Alabama (U.S.A.)

Thomas Moran

Wantagh, New York (U.S.A.)

Patricia Coulas

Tottenham, Canada

Gary Bridgestock

Erie, Colorado (U.S.A.)

NEW CORPORATE MEMBERS:

CF Helmets

Dubai, United Arab Emirates

WEBSITE: <https://cfhelmets.com/>



Reminder: 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

- Same as Individual Membership above
- 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

SAFE Association Chapters

DFW
METRO
CHAPTER



President: Lizanne Luchetti
E-mail: lizanne.luchetti@serastarsystems.com

WRIGHT
BROTHERS
CHAPTER



President: Mark Gruber
E-Mail: mgruber270@outlook.com

DOWN
UNDER
CHAPTER



President: Steve Madaras
E-mail: smadaras@aeropartsaustralia.com.au

ROCKY
MOUNTAIN
CHAPTER



President: Cassidy Carson
E-mail: kassidy.carson@collins.com

GRAND
CANYON
CHAPTER



President: Jenn Nikopoulos
E-mail: jenn.nikopoulos@taskaero.com

PACIFIC
RIM
CHAPTER



President: Dr. Robert Yonover
E-mail: seerescue@juno.com

EAST
COAST
CHAPTER



President: Dave DeSimone
E-Mail: desimoneassoc@me.com

ROCKET
CITY
CHAPTER




President: VACANT
E-Mail: If you would like to take
the role of President contact
plagaia@gmail.com

SAFE
EUROPE
CHAPTER



President: Peter Marston
E-mail: pmarston@martin-baker.co.uk

MIDDLE
EAST
CHAPTER



President: Mohanad Alakai
E-mail: mohanad.al.akal@hotmail.com

CHAPTER
ONE –
SO-CAL



President: Jim Shaw
E-Mail: jim.shaw@dtsweb.com

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 needs to be changed, and click on “**Save Profile**” at the bottom of the page. Your efforts are much appreciated!!



President: Dr. Robert Yonover
E-mail: seerescue@juno.com



SEE/RESCUE and Pacific Rim Chapter at Festival of the Pacific 2024

Dr. Rob Yonover of SEE/RESCUE Corporation and the Pacific Rim Chapter participated in the Festival of the Pacific 2024 hosted in Honolulu, HI. The meeting included the representation of 25 Pacific Ocean nations from across the Pacific, including, Australia, New Zealand, Rapa Nui, Samoa, Tahiti, Taiwan, Hawaii, Cook Islands, Fiji, Guam, Papua New Guinea, Tonga, Marshal Islands, and many others. The conference included traditional navigators that cross long swaths of the Pacific Ocean using only the stars, the winds, and ocean currents for navigation. Dr. Yonover was honored to return as a member of the escort team that marked the completion of the round the world navigation by the Hawaiian Hoku'lea sailing canoe using no electronic devices (completed in 2017). Note that in keeping with the traditional non-electronic technologies, the Hoku'lea is also equipped with the battery/electronics-free SeeRescueStreamer for safety purposes. The New Zealand government continued their support of local fisherman with rudimentary equipment across the Southwest Pacific that are at high risk for being lost at sea by providing them with survival kits that also contain SeeRescueStreamer's for emergency signaling. The festival highlighted the cultural connection of the diverse Polynesian diaspora across the Pacific.

UPCOMING SAFE BOARD MEETING

MEETING	DATE	LOCATION
SAFE BoD 4 th Qtr Meeting	7 August 2024, Wednesday 9am – 5pm	Battle House Hotel Mobile, AL
SAFE BoD 1 st Qtr Meeting (FY25)	25 October 2024, Friday 9am – 5pm	Virginia Beach, VA Exact TBD

If you wish to attend virtually, feel free to contact the SAFE Association Administrator, Stacy Stuber (admin@safeassociation.com for details)

NEXT SYMPOSIUM

MEETING	DATE	LOCATION
62 ND Annual Symposium	October 22 – 24, 2024	Virginia Beach, VA

FUTURE SYMPOSIA

EVENT	DATE	LOCATION
63 rd Annual Symposium	November 4 – 6, 2025	Mobile, Alabama
64 th Annual Symposium	November 3 – 5, 2026	Mobile, Alabama
65 th Annual Symposium	October 26 – 28, 2027	Reno, Nevada
66 th Annual Symposium	November 7 – 9, 2028	Reno, Nevada

2024 CALL FOR PAPERS

By Glenn Paskoff | Science and Technology Committee Chair

62nd Annual SAFE Symposium, October 22-24, 2024
Virginia Beach Convention Center Virginia Beach, VA

Abstract Calls Now Open.
Deadline for Abstract Submission is August 1, 2024

The SAFE Association’s Annual Symposium is the premier international showcase for unparalleled discovery including technical sessions, extensive exhibits, product demonstrations, workshops, technical debates, panel sessions, and networking opportunities.

Areas of interest include, but are not limited to, the following:

Accident Investigation	Clothing	Helmets	Oxygen	Survival Equipment and Aids
Aerospace Physiology	Crash Safety	Human Factors	Oxygen/Contaminants/Health	Systems Integration
ALSS	Directed Energy Protection	Individual Flight Equipment	Oxygen/Health	Test and Evaluation
Anthropometry	Energetic Materials	Injury	Oxygen Systems/PBE	Technology Transfer
Aviation Escape Systems	Ejection Systems	Injury/Clothing	Oxygen/Training	Textiles/Parachutes / Ejection Systems
Biodynamics and Physiology	Ejection Systems / Safety	Life Support Systems	Personnel Recovery	Training
Biomechanics	Extreme Environments	NBC Protection/CB RN PPE	Safety/Vehicles	Training and Simulation
CAD/PAD	Ground Vehicle Protection	Ocular and Night Vision Systems	Search and Rescue	Troop Protection
CBRN	Hearing Protection	Occupant Crash Protection	SOF Equipment	Windblast Protection
	Speech Intelligibility	Human Factors	Modeling and Simulation	



....Continued on Page 13

"2024 Call for Papers" Continued

SUBMISSION GUIDELINES

Briefings, Panels (consisting of 2 or more Briefings) Demonstrations & Workshops (specify). Submit a no-more-than 300-word abstract (electronically using the [online abstract submission portal](#)) to the SAFE Office through the SAFE website at www.safeassociation.com.

Abstracts must be submitted electronically using the entry form through the SAFE website, rather than via e-mail to the organization. Once submitted, a compiled abstract, as described above, is generated and e-mailed to the main (first) author and automatically forwarded for consideration to the symposium.

Technical Paper abstracts should include Introduction, Methods, Results, and Discussion sections.

Panels, Briefings, Demonstrations, and Workshops should contain a paragraph outlining the safety issue to be presented, followed by a description of the program or product and how it is used to address the issue.

Panel sessions should outline the topic or scope, number of presenters by name and affiliation, and the panel chair. When planning a panel, bear in mind that session blocks are 90 minutes. Panel sessions may list "tentative" speakers or papers for acceptance, but these must be finalized before the deadline.

You will be notified when your submission is accepted, rejected, or if revisions are required for acceptance. If your submission is rejected, you may resubmit with corrections and/or changes. Your paper will be scheduled based on the type of paper and content.

AUDIO-VISUAL PRESENTATIONS

Presenters are to bring their presentation, formatted in MS Power Point (wide-screen 16:9 is preferred), electronically saved on appropriate media (memory stick, CD, etc.) directly to their session at least 20 minutes prior to the scheduled start. The program allocates time between sessions to accommodate uploading the session's presentations to available presentation equipment immediately before the start.

All authors are required to attend the Author's Briefing to meet and coordinate with the symposium Technical Team, the session moderator, and session co-presenters. Any technical issues or needs will be addressed at that time.

The following presentation equipment will be available for all technical sessions:

- A laptop computer, projector, and screen
- Podium and wireless microphone
- Laser pointer

SUBMIT NOW



**SAFE
Association**

*Post Office Box 130 Creswell,
OR, 97426-0130*

Phone (541) 895-3012

*E-mail: admin@safeassociation.com
Website: www.safeassociation.com*

PUBLICATION IN SYMPOSIUM PROCEEDINGS

A "static" printable version of the presentation (MS PowerPoint or Adobe PDF) will be required for publication in the Proceedings.

All technical presentations, including papers, panels, workshops, demonstrations, etc., presented at the Symposium are eligible for inclusion in the Proceedings. It is the responsibility of the author to obtain clearance from their organizations. Presentation materials will be collected at the Symposium. The proceedings are published to the SAFE website and are available to SAFE members via their member login.

Materials not collected at the Symposium may be submitted electronically for publication in the Proceedings to arrive at the SAFE office no later than two weeks following the final day of the symposium. Submit earlier if possible.

It is the responsibility of the submitting author(s) to ensure that all material, printed or otherwise, that is presented at the SAFE Symposium or in the SAFE Proceedings has been screened through the submitting organization's public release process and has been approved for Unlimited Distribution.

Announcements

RAYMOND F. LONGACRE AWARD: STEPHEN C. MERRIMAN



Stephen “Steve” Merriman, B.S., M.S., ATFB Boeing, AFAsMA, FHFES, is the 2024 recipient of the Raymond F. Longacre Award for being a stanchion of aerospace safety for military and civilian operations in both government and industry. He received the award from the Aerospace Medical Association during Honors Night ceremonies on May 9, 2024, at the Hyatt Regency, Chicago, IL. He has developed multiple training courses for human factors specialists and served as a member of various scientific advisory groups. His dedication to the human factor in technology development has been paramount to its success. He is responsible for crew station design and human engineering of 10-20 aircraft. He assisted in the

development of cockpit standardization policies and requirements in the areas of controls, lighting, geometry and layout, noise, safety, environment, and display design. He served as Crew Systems Division technical lead on 40+ system development projects and provided technical assistance to the Navy on advanced research and development of helmet-mounted sights/displays, electro-luminescent displays, head-up displays, multi-function switching, crew station modeling, and aircraft instrumentation design. He is currently providing expert consulting to Boeing to develop human factors and safety design practices for commercial and military aircraft and space systems.

Mr. Merriman has bachelors and masters degrees in psychology and 55+ years of experience as a practitioner of human factors engineering (HFE) and human systems integration (HSI). He has provided support to more than 65 acquisition programs, including the NASA Space Shuttle, Army manned and unmanned ground combat vehicles, Army unmanned air vehicles, missile systems, and more than 50 Navy, USMC, Army, and Air Force aircraft. From 1967 until 1987, he held systems acquisition and R&D positions with the U.S. Navy, Department of Defense Training and Performance Data Center, and the Office of the Secretary of Defense. From 1987 through 2015, he served in a variety of technical and leadership positions with The Boeing Company. He is an active member of several technical societies and government-industry associations, a Human Factors and Ergonomics Society Fellow, an Aerospace Medical Association Associate Fellow, and a Boeing Associate Technical Fellow. He was a recent member of the

U.S. Air Force Scientific Advisory Board (2015–2018). He was a past chair of the SAE G-45 HSI Committee and currently serves as a senior advisor. He is a current Director with the Foundation for Professional Ergonomics (FPE) and a Life member of the SAFE Association. He is also an HFE/HSI consultant to government and industry customers.

Mr. Merriman has been recognized by both military and civilian groups. He has won a variety of awards from Boeing, including a 25-year service award, and received the SAE International Aerospace Council James M. Crawford Technical Standards Board Outstanding Achievement Award. He also received certificates of appreciation from the U.S. Army and the Boeing Vice President for contributions to Integrated Mission Test 1 and for superior performance at the System of Systems Preliminary Design Review and was designated as MANPRINT “Practitioner of the Year,” presented by U.S. Army MANPRINT Director, Office of the Deputy Chief of Staff, G-1, Department of the Army. He has been an author or co-author on more than 25 publications.

About the Award

The Raymond F. Longacre Award is given for outstanding accomplishment in the psychological and psychiatric aspects of aerospace medicine. Sponsored by the Aerospace Human Factors Association.

About the Aerospace Medical Association

The Aerospace Medical Association (AsMA) is the largest, most-representative professional organization in the fields of aerospace medicine and human performance. The Aerospace Medical Association is an umbrella group providing a forum for many different disciplines to come together and share their expertise. The Association has provided its expertise to a multitude of Federal and international agencies on a broad range of issues including aviation and space medical standards, the aging pilot, and physiological stress-es of flight. AsMA’s membership includes aerospace medicine specialists, physiologists, psychologists, human performance specialists, flight nurses, and researchers in this field. Most are with industry, civil aviation regulatory agencies, departments of defense and military services, the airlines, space programs, and universities. Approximately 25% of the membership is international. Through the efforts of the AsMA members, safety in flight and man’s overall adaptation to adverse environments have been more nearly achieved. For further information, please visit www.asma.org.

Celebrating a "Dinosaur"

By Christine W. Hussey | Information Management Committee – Newsletter Editor

What do you get when you combine the SAFE Association, education, and a legendary dinosaur? Let me tell you...

In the short time I've been involved with SAFE, I've learned there are some seasoned individuals who are always willing to step up and lend a hand. Whether chairing a committee on the SAFE Board, mentoring newbies or simply taking time to chat with someone about SAFE, some people go above and beyond but ask for nothing in return.

SAFE is driven by volunteers that are kind enough to donate their time, expertise, and knowledge.

In a world where recognition and appreciation are often reserved for the most visible figures, it's refreshing to consider the impact of those who work tirelessly behind the scenes. Al Loving is about to take center stage in a way that honors not just one individual, but the values of dedication, perseverance, and industry impact.

The SAFE Board is pleased to announce the 2025 Al Loving Scholarship. This scholarship will be awarded to one Waldorf University applicant/ student who is an active SAFE member and demonstrates the same passion for education, development and commitment to industry that Al has displayed throughout his career.

The decision to name a scholarship after Al stems from a desire to celebrate the unsung heroes among us. These are the individuals who quietly step up as Committee Members, mentor new members, contribute to the success of their communities, classrooms, and workplaces without seeking recognition for themselves – some even reactivate the "DINO Club!" These unsung heroes' actions speak volumes while their names may never be known to a wider audience.

The Al Loving Scholarship is not just a name; it's a testament to the power of selflessness and the belief that everyone has the potential to make a difference. It serves as a beacon of hope and encouragement for those who may not fit a traditional mold of academic or athletic success but who nevertheless embody the qualities of charity, kindness, integrity, and resilience.

The scholarship also serves as an acknowledgement that greatness comes in many forms. It is hoped that recipients will encourage students to embrace their unique strengths and pursue their passions without adherence to traditional norms. By celebrating Al's spirit of selfless giving to his community, we want to affirm that every individual has value and that their unique individual contributions can ripple outward to create meaningful change. By naming a Waldorf University scholarship after Al Loving, we invite students from all backgrounds to aspire to greatness and to see themselves as integral parts of a larger tapestry of community achievement.

Furthermore, this scholarship serves as a reminder of the importance of humility and service. Al Loving represents not just one person but a philosophy—a belief in the power of quiet determination and the impact of everyday acts of kindness. It encourages recipients to pay it forward, to look beyond themselves, and to use their talents for the betterment of society as a whole.

In conclusion, naming a scholarship after Al Loving is more than just a symbolic gesture. It is a commitment to celebrating the often-overlooked virtues of modesty, diligence, and community spirit. In these ways, the Al Loving Scholarship will serve as a lasting tribute to the countless unnamed individuals whose contributions shape our world in ways both seen and unseen.



WALDORF UNIVERSITY

Al Loving Scholarship



Information Management

By Lauren Divers | Chair, Information Management Committee

SAFE's Information Management committee is working hard to create content that is relevant to our members. If you are interested in seeing anything particular, please let us know! We are always looking for content from our members to either post or put in our newsletter. We are looking for updates, articles on products success, SAFE-related news, etc.

If you are interested, please contact the IM Chair at info-mgt@safeassociation.com and we will get you plugged in (pun intended).

SOCIAL MEDIA UPDATES

This year in Virginia Beach we are looking to increase booth visits for you all ahead of time. If you have any products or anything in particular you want to showcase at the Symposium, please let us know so that we can start highlighting you all on the Social Media. Please limit your request to 100 words and good quality photos and videos so that our audience can see your amazing content. Contact info-mgt@safeassociation.com with your photos and story and we will get it posted!



*Attention
Corporate Members*

**Please Send Us Your
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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 Stuber
admin@safeassociation.com

Lauren Divers
Info-mgt@safeassociation.com

Christine Hussey (Editor)
Info-mgt@safeassociation.com

SAFE Journal

By Dr. Camille Bilger, 2024 Journal and Editorial Committee Chair

THE SAFE ASSOCIATION JOURNAL ACCEPTS MANUSCRIPTS SUBMISSION ALL YEAR ROUND!

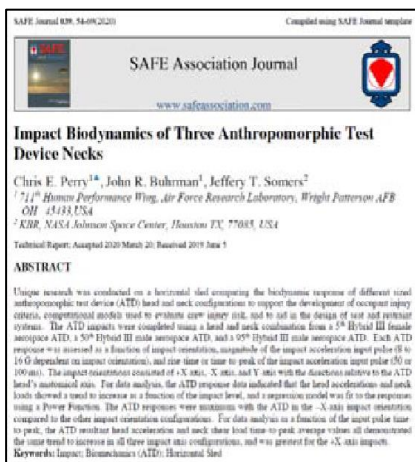
We accept:

- 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.



Human Factors / Aircrew Flight Equipment Doings Elsewhere

By Kevin Divers, Association Development Committee

Aerospace Medical Association: The 2024 winner of the Raymond F. Longacre Award was Stephen "Steve" Merriman, B.S., M.S., ATF Boeing, AFAsMA, FHFES. This award was established to honor the memory of MAJ Raymond F. Longacre, MC, USA. It is given annually for outstanding accomplishments in the psychological and psychiatric aspects of aerospace medicine.

SAE International & Human Factors and Ergonomics Society: A Memorandum of Understanding between SAE and HFES on Human Systems standards is all but signed off. When complete, the two organizations will collaborate on future HFE and HSI standards involving design, performance, processes and technologies. Steve Merriman serves as a point of contact for more information (scmerriman@tx.rr.com)

DoD Human Factors Engineering Technical Advisory Group: The DoD "TAG" met for their annual meeting in Huntsville, AL on 22-25 May 2024 with approximately 200 participants from Government, Industry and academia. In the Technical Society/Industry SubTAG meeting, a project was proposed to update and coordinate all of the Industry and DoD Standards on HSI and its seven domains. Currently, Training is the only domain without a contractually enforceable standard. For more information on this and other topics, please contact Steve Merriman at: (scmerriman@tx.rr.com)

Human Factors and Ergonomics Society (HFES): HFES will hold its annual meeting, called "ASPIRE," on 9-13 September in Phoenix Arizona. The theme is to: "Advance Systems and Practices through Innovation, Research and Education." Approximately 2,000 researchers and practitioners attend this annual meeting. In addition to technical sessions, a Job Fair is always held and there are lots of networking opportunities. Other professional meetings are also held in conjunction with HFES, e.g., SAE International G-45. [International Annual Meeting \(hfes.org\)](https://www.hfes.org)

DTS Onboard – Next Stop: The Moon!

By Mike Beckage - DTS

DTS delivers Data Acquisition Systems (DAS) and Sensors to support many exciting test environments, and it doesn't get much more exciting than orbiting the moon! In June 2016, our TSR PRO caught the attention of a NASA engineer at Johnson Space Center in Houston, Texas. NASA was looking for a way to capture the acceleration profile astronauts will feel during their flights to the moon and back on Artemis missions. In particular, launch and re-entry can be quite a wild ride, and the TSR PRO seemed like a good fit to capture the dynamics, all with the goal of keeping astronauts safe.

Why DTS? The TSR PRO meets NASA's need for a small, rugged data logger that records three-axis acceleration to its internal non-volatile memory. It is fully self-contained with internal sensors, microprocessor, USB communication, and memory, all powered by a rechargeable battery. NASA calls their astronaut data logger project the "Crew Seat Accelerometer" or "CSA" for short. Between 2016 and 2020 DTS worked with NASA on many details necessary to get DTS TSR PRO units qualified. I was thrilled when TSR PRO units passed all the tests and were selected to fly as Crew Seat Accelerometers on all planned Artemis missions! We have a great relationship with NASA, and they are considering DTS for other space-based data collection projects.

An Artemis mission couples the Orion Crew Capsule to the Space Launch System, the most powerful rocket NASA has ever launched. (The Orion capsule has been heavily tested using DTS systems at NASA's facility in Langley, Virginia for about 20 years.) There are three missions currently planned in the Artemis program. Artemis 1 already orbited the moon in late 2022. That mission was "crewed" only by a test dummy, but it did have the first TSR onboard. Artemis 2 is scheduled for launch in September 2025 with four astronauts onboard, each with a DTS TSR PRO on their seat! Here is a link for more information: [Artemis Overview](#)

DTS is proud of the strong relationship we have developed with NASA over the last several decades, as well as the products we have created that allow DTS to ride with the astronauts to the moon and back!



Artemis II NASA astronauts (left to right) Reid Wiseman, Victor Glover, and Christina Koch, and CSA (Canadian Space Agency) astronaut Jeremy Hansen stand in the white room on the crew access arm of the mobile launcher at Launch Pad 39B as part of an integrated ground systems test at Kennedy Space Center in Florida on Wednesday, Sept. 20, 2023. The test ensures the ground systems team is ready to support the crew timeline on launch day.



Orion Crew Capsule atop the Space Launch System



TSR PRO = Crew Seat Accelerometer



Orion Crew Capsule Splashdown Test – DTS Onboard

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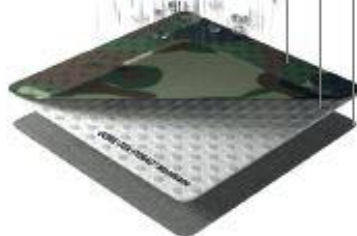
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- Used by the US Army and USAF on the Flame Resistant Environmental Ensemble (FREE EWOL)
- Used by the US Army and US Marine Corps on the Flame Resistant Fuel Handler's Ensemble
- Approved as "Safe to Fly" by the US Navy (NAVAIR) for Aviation and Aircrew
- Approved as "Safe to Use" by the US Navy (NAVAIR) for Maintainers and Flight Deck



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SAFE 5k Runner 2024

Wednesday, 23 October

Start Time: 06:45 for Walkers

07:00 for Runners

Come Join Us for a Sunrise 5k Run/Walk 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 12 August 2024 - Check the SAFE website for more details.

*****Pre-registration recommended for a race shirt in your size*****

Online Registration Cut Off: 16 October 2023

Onsite Registration & Packet Pick up is One Day Only: Tuesday, 22 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!

DAY OF EVENT SCHEDULE

06:00 – 6:30 am	Warm up
06:45:	Start for Walkers
07:00:	Start for Runners
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.

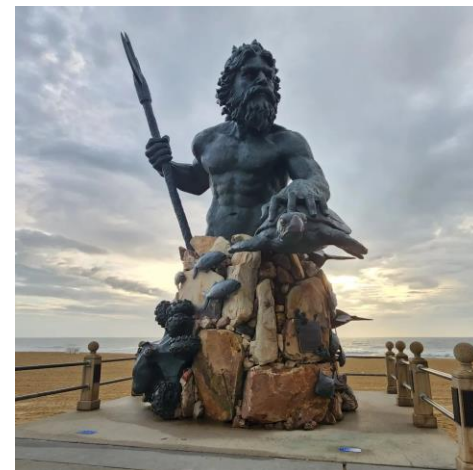
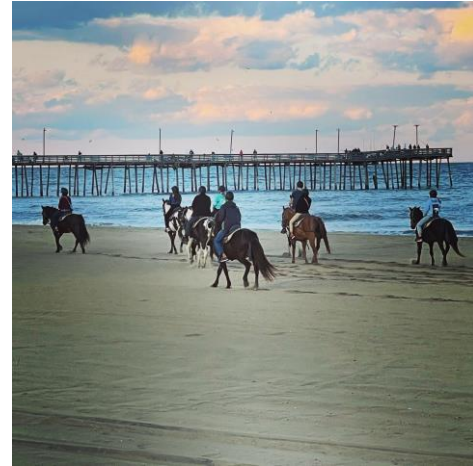
To be a Volunteer or Sponsor, please contact: Marcia Baldwin at: mkbaldwin@coresurvival.com



Where to Eat in Virginia Beach

As the 2024 SAFE Symposium approaches, we thought we would reach out to some local SAFE members for recommendations on restaurants, bars, and just some fun places to visit outside of Symposium hours. Here are some options to consider:

- [Orion's Roof | A Place Like No Place Else \(orionsroofvb.com\)](http://orionsroofvb.com)
Pretty cool and worth it for the view...head there for Happy Hour??
- [Tulu Seaside Bar & Grill - Marriott Resort Virginia Beach Oceanfront \(tuluvb.com\)](http://tuluvb.com)
On the ground floor of the same hotel as Orion's Roof...pricey but cool if the weather is nice.
- [Big Sam's Raw Bar Virginia Beach VA \(bigsamsrawbar.com\)](http://bigsamsrawbar.com)
Serving locals and tourists alike! Great place for wings and oysters...everything else good as well...you won't be disappointed.
- [Tautog's Restaurant A Coastal Dining Experience in Virginia Beach, VA \(tautogs.com\)](http://tautogs.com)
Favorite spot for one local SAFE member. This may be more "romantic" than other recommendations on this list, but great option for quality food with a focus on customer service.
- [Barrel 17 - THE Burger Bar Providing high quality American cuisine with a quaint, causal, local atmosphere here in the Artsy Vibe District of Virginia Beach just a short walk away from the beach!](#)
Amazing burgers and a wide selection of bourbon...can't beat it!
- bunkerbrewpub.com (Young Veterans Brewing Co.)
Good place for (craft) beers and southern coastal cuisine
- [Smartmouth Brewing Co. - Chelsea Business District / Ghent Norfolk / Virginia Beach / Ocean Front / Hampton Roads, Norfolk, VA](#)
Another good place for beers (closed on Mondays)
- [Mahi's - Seafood & Sushi Restaurant \(mahisvb.com\)](http://mahisvb.com)
Touristy but nice
- [HOME | Murphy's Irish Pub / Virginia Beach, VA \(murphyspubvb.com\)](http://murphyspubvb.com)
In case you've never been to an Irish pub!



You are invited to **AATDAG**

Monday 21st October 2024 – 14:00 – 17:00 EST
@ Virginia Beach Convention Center
and online via MS Teams**



"The primary objective of the SAFE Association is to stimulate research and development in the fields of safety and survival, and to disseminate pertinent information to concerned individuals in government and industry. In addition, the objective is to establish and maintain a meaningful relationship between the SAFE Association and the scientific communities related to safety and survival."

In accordance with the above, the mission of the Aerospace ATD Advisory Group is to bring together key individuals in the fields of crash and escape system testing for the following purposes:

- Exchange of scientific and technical information.
- Improving the co-operation among nations in aerospace ATDs research and development.
- Act as a steering committee to advance industry and government standards and guidance for consistency across organizations.
- Make recommendations with regards to aerospace anthropomorphic test devices (ATDs), biomechanical response, instrumentation systems and data processing, and injury analysis methods.

Topic of discussions include:

- 1) Adult Dummies: Past and Present.
- 2) Lessons Learned from Members and/or Programs.
- 3) Egress/Crash Dummy Requirements and Goals
- 4) Biomechanical Impact Response and Data Acquisition Needs.
- 5) Develop ATDs Configuration Standards (Physical and Digital)

You do not need to have purchased a SAFE Symposium ticket to attend this one event.

Sincerely,
Camille Bilger and John Plaga

** If you wish to join virtually please email: CBilger@martin-baker.co.uk to be sent a Microsoft Teams link.

2023 / 2024 SAFE ASSOCIATION BOARD OF DIRECTORS

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**ROCKEY MOUNTAIN
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Kassidy Carson

The SAFE Association Newsletter is available to SAFE Association Members and welcomes content from Government, Industry, and Academia. Send your content or content ideas to admin@safeassociation.com with the subject titled Newsletter.



Photo by Joe Skipper | Reuters

