

SAFE News

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

SAFE Association – Our 66th Year

Volume 26 | Number 1 | Winter 2023

President's Message

By Kevin "Dumpster" Divers, 2023 President

I hope that the ringing in of 2023 for everyone is bringing good things! As most folks who attended our Symposium in early November witnessed, the energy and motivation within the SAFE Association is back up. We will not be pulling back on the throttle either for 2023. We want to carry the momentum if not nudge it up a bit more to have an outstanding next Symposium. What was I excited to see in Mobile that past Symposium (our 60th by the way)? It was seeing that we had over 700 folks registered, nearly 200 of those our own members, and nearly 350 from various militaries across nineteen nations. That is pretty darned exciting to me. I feel we have made some great strides getting crosstalk between Industry and Government and hope to see that grow even more as well.

The year 2022 was a year of great accomplishments for the SAFE Association as we saw the addition of a new Chapter with the Rocky Mountain Chapter, our work to get all members affiliated with a Chapter, and with some internal refinements that we hope continue to bring value and quality to each of our memberships in the Association. We continue to strive to find ways to give that giving back to members that is important in the long-term and hope to see more military members invest in their own SAFE membership to build that longevity that pays off in membership once one has left active duty but is still affiliated with Industry.

To the many company sponsors and individuals whose ideas and energy made this year's events available to all of us, we sincerely thank you! Mobile 2022 was a great event and we were met with great feedback to make our next Symposium even greater. A heartfelt thank you to Stacy Stuber, Ted Poe, Emma Sutcliffe, and Chris Dyer for their direct efforts towards the ultimate execution of the Symposium. Without their efforts the Symposium would not have found the success it did!

Let's remember that the SAFE Association is an organization that is about saving lives; thus, the more people we get to become members the more we can see lives saved as our environments across Land, Sea, Air, and especially Space expand. Reach out to your peers and fellow partners in the field and help them see the benefits of nurturing and building relationships with others in our SAFE Association. If you want to be a part of the committee structure within SAFE or leadership structure within your Chapter, reach out to me or your Chapter leadership. Getting involved will only help us all and we want to see more working to do that.

Though it was the 60th Symposium in Mobile this past year, overall the Association is now in its 65th year of existence for 2023. Let's make sure we are ready to be an organization that keeps up

(Continued on page 2)



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<https://twitter.com/SAFEAssociation>

2022 60th Annual Symposium Review

by Ted Poe & Emma Sutcliffe

WOW, we blinked, and it is the 12th of January 2023. May we wish you all a very prosperous New Year and thank each of you for a very successful 2022 60th Event. This year we had 691 attendees for our 60th Annual Symposium. In all, we had over 800 individuals attend the numerous industry day, workshops, and government meetings as well as attend our symposium. We thank each and every one of you for an awesome experience and making this a very special event.

Before we get started and look back, I first want to say a big Thank You to Ms. Emma Sutcliffe our 2022 Co-Chair and our 2023 Symposium Chair. Emma's work and organizational skills were paramount in many of the items behind the scenes as well as organizing the numerous catering and special timed events. Emma, it was an honor to work with you and I am very happy that you're going to be in charge for our 2023 event.

Thank you to the 2022 Board of Directors for all the help in getting this event organized and executed.

So, let's get the review started...so sit back, grab that coffee or brew and let's look back to our 60th Annual Symposium...

ORGANIZATIONS AND PRESIDENTS AWARDS CEREMONY

ORGANIZATIONS MEETING: As the organization has changed over the year, we have found numerous organizations vying for time to have business meetings and work groups sessions. This year we once again afforded opportunities to numerous organizations. We thank each organization for support in bringing services and key stake holder to our venue. We look forward to further opportunities in the future. Organizations attending:

Multi-Service CAD/PAD Working Group - This meeting was a private function that reviewed annual US Defense CAD/PAD program with industry and military organizations. This all-day event provided individuals a capability to understand first-hand the issues within their sphere of our industry.

Multi-Service Industry Day - This meeting has started to become a very powerful tool to for our US Military Acquisitions and Sustainment teams to be briefed by industry on how they can meet the USG government needs and priorities. Numerous organizations from around the world had time to meet with, brief, and answer questions on their products and future efforts.

(Continued on page 3)

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with the changes in our "customer" base. The Science and Technology presentations show great accomplishments in that area; but greater participation in Industry Day events, the showing of our Technology Showcase (kicked off by Red 6 in 2022) continuing and bringing more into the fold will accomplish all of our goals. To this end, I look forward to our 65th year as the SAFE Association. We have much to look forward to.

Upcoming Initiatives:

- Membership Dues restructuring
- Return of Equipment Workshops to the Symposium
- Closer work with Government Agencies to give Industry more direct contact
- Growth of our Information Management use to get the SAFE Story out, which includes

the accomplishments of our Government and Industry members

- Closer work with Corporate Members to see that their investments in time and resources to the SAFE Symposium have great returns
- More clear and direct support of SAFE Chapters to foster their growth and improved product ~~to the~~ membership overall in their areas of responsibility
- Development of Affinity Groups within SAFE to build more camaraderie and foster recognition of underrepresented groups within our organization

Thank you ALL for being part of our 65th year! Let's make 65 look good on us!



Steve Roberts of Martin Baker receiving the President's Award. Award presented by Jerry Reid.

Martin-Baker User Group – The annual meeting of Martin Baker Ejection Seat users from Acquisitions, Sustainment, as well as Maintainers spent the afternoon reviewing programs and getting firsthand product knowledge of the MB Systems.

SAFE Injury Panel/Working Group – The SAFE Association Aircrew Flight Equipment Injury Workshop has started a three-year SAFE Association effort to gather experts in all areas of our community to develop a comprehensive injury matrix for Aircrew Flight/Life Support equipment. This inaugural meeting established the scope of the project, defined areas of research to explore, defined areas of improvement. The overall goal of the workshop/panel is to publish a series of works in a specialized and purpose document to help future acquisitions teams in developing flight gear that will reduce long term injury or fatigue during a person's flying career. This event will start a quarterly review and discussions beginning in March 2023. A review of the meeting and the work this panel/workgroup will take will be explained more in future SAFE Newsletters and will be provided to all workgroup

attendees. For those that wish to contribute and be part of this project, please reach out to our SAFE Administrator (admin@safeassociation.com) and your information will be forwarded to the S&T team that is running this project.

USAF Aircrew Protection Executive Panel – USAF Aircrew Flight Equipment Executive Committee – This was a USGOV only meeting where USAF team met over the five days and defined the priorities for the Aircrew Flight Equipment Functions within the USAF.

ACES Steering Group – This is an annual USGOV and invited guest meeting to discuss current issues and work on the future movements for the ACES Series ejection systems.

PRESIDENT'S AWARD CEREMONY AND EXHIBIT HALL OPENING

This year we were able to combine our Annual Awards Ceremony and the opening of our Exhibit Hall. All exhibits were staffed and ready for business. After a welcome from the 2022 SAFE Association President, Mr. Jerry Reid, the following awards were presented. A summary of the award citation has been provided below:

Our first award for the evening was the Michael R. Grost career achievement award. This award is presented to a person or persons who, throughout his or her career, has made significant contributions in the field of safety or survival. This year, the board of directors awarded two distinguished individuals with this award.

Award #1: Mr. Nigel Lovett

Mr. Lovett retired from Honeywell aerospace after 44 years with

the company, having joined normal Air-Garrett LTD as an engineering apprentice in 1976. From 1985 he moved into life support division and has been a development engineer, project engineer, engineering manager, to retire from Honeywell in 2020 as the program manager for the F-35 life support system. Nigel has been instrumental in the development and qualification of the life support systems for the Lockheed Martin F-22, Eurofighter typhoon and Lockheed Martin f-35 programs. These have been some of the most demanding military combat aircraft programs of our time. His knowledge, technical ability and leadership have been crucial to the successful introduction into service of these innovative and advanced life support systems, for the benefit of the warfighter. Nigel has been a strong supporter of the SAFE Europe chapter for more than 34 years. He is the corporate member for Honeywell and has been a regular visitor to the safe national symposia, presenting numerous papers to advance the knowledge on life support systems.

Award #2: Mr. Brad Mastrolia

Mr. Mastrolia is the principal designer/analyst for Raytheon, Collins Aerospace, Mission Systems in Colorado Springs, CO. Brad has dedicated his entire four-decade career to saving lives through the advancement of crew escape technologies. He graduated from Rutgers College of engineering with a bachelor of science in mechanical engineering. He started his career working at McDonnell Douglas as an ACES II engineer in 1982. He has been awarded 29 U.S. patents related to safety seating. He has also spent 37 years programming and refining the advanced

(Continued on page 4)

computer model dynamic escape system simulator (DESS) used to predict crew escape system performance across multiple aircraft platforms. Here are specific examples of his career accomplishments: he designed and patented the passive head and neck protection system used on all ACES 5 ejection seats. The simple mechanical design allows ACES 5 to pass all head and neck protection requirements during the seated phase of an ejection. He created a 6 degrees of freedom escape system simulator. The simulator was validated by over 100 ejection seat tests and continuously upgraded and used for decades to optimize the aces ejection seat design performance and predict the aircraft escape system performance. The simulator has also been used during many aircraft accident investigations to better understand the ejection and mishap information. He is the principal designer and analyst of the successful 4th generation crew escape program which demonstrated safe ejections up to 700 knots using new advanced technologies as well as numerous other achievements.

2022 Team Achievement Award

This award is presented to a team which has made a recent outstanding contribution in the field of safety through advancement in the knowledge, science, or engineering associated with a significant improvement in safety or survival.

Winner – The Naval Aerospace & Operational Physiology Internship Program Revitalization Working Group.

Naval Aerospace & Operational Physiologists (NAOP) share commonality in that each group is required to complete a sponsored internship prior to fleet assignment as an aeromedical safety officer (AMSO).

The focus of the program is to provide the newly designated NAOP with the knowledge, skills, and abilities to work at the top of their profession as they deliver lifesaving aeromedical threat identification and protection, land and water survival training and human performance education throughout the naval aviation enterprise (nae). Over the past 10+ years, operational requirements creep has exceeded the internship program review periodic schedules. Formal curriculum and learning objective review was inconsistently managed and often did not involve key fleet stakeholders. NAOP junior officers, as recent NAOP-IP graduates, recognized and communicated the knowledge gaps between the focused learning of the internship and the knowledge and skills required by fleet customers. The gaps were collected, vetted, and ultimately codified in a memorandum for action submitted to the NAOP executive steering committee. In response, the NAOP branch head/specialty leader established the NAOPIP revitalization working group. The

NAOP community is extremely diverse in its billet structure, covering five unique program elements. Officers acquire and develop a professional skill set unique to billet exposure. For this reason, working group members were hand selected to ensure a diverse cross functional team representative of rank structure and encompassed the following billets and perspectives: previous and current ASTC directors, USMC and USN AMSO’S, fixed wing/rotary wing/tilt-rotor AMSO’S, defense acquisition experience, NSTI directorates, lateral transfer and direct commission accessions, and a recent graduate of the NAOPIP course. The working group proceeded to meet every two weeks, and even more frequently within subgroups, over a 12-month period, encompassing approximately 875 man-hours, most of which was during off-duty hours. The working group focused on a program design to ensure a more agile and comprehensive approach that was better postured to seamlessly adapt to emerging fleet requirements, particularly focused on aircrew safety and survivability. Additionally, the revamped curriculum now requires more fleet engagement and functional collaboration by leveraging expertise from NAOPS actively filling key operational billets throughout the navy and marine corps. The NAOP-IP revitalization working group community achievement effectively codified 284

(Continued on page 5)

UP-COMING MEETING

MEETING

61st Annual Symposium

DATE

October 10 - 12, 2022

LOCATION

Virginia Beach, VA



Mark Gruber and Ebby Bryce receiving Honorary Life Member Awards presented by Jerry Reid.

knowledge, skills, and abilities, introduced 42 new lesson topics, and transformed the junior officer development strategy for the entire sub-specialty. The revised document is a significant advancement in the foundational education, knowledge, and experience of the NAOP junior officer. This truly defined a 'team' effort and graduates are better positioned and trained to fully support fleet customers and their human performance and aeromedical safety needs.

2022 General Spruance Individual Achievement Award

Our next award that evening was the General Spruance Individual Achievement Award.

This award is presented to a person who has made a recent outstanding contribution in the field of safety or survival. This may have been through leadership or through advancement in the education, knowledge, science, application of investigative techniques, or engineering associated with a significant improvement in safety or survival.

Winner - Lieutenant Leah Bradley
Lieutenant Bradley has

demonstrated outstanding performance and leadership in her steadfast devotion to increasing the safety of flight through training, education, and aeromedical science advisement for 326 forward deployed warfighters in the pacific theater.

Lt Bradley revitalized six aeromedical training courses covering life support systems, threats to sensory systems, and human performance degraders to provide effective, fleet-relevant education across 80 training evolutions in advance of five bilateral exercises, four unit deployment rotations, and two marine expeditionary unit cycles. She also collaborated with navy medicine and leveraged data-driven insights collected from aircrew surveys to gain support for the funding and procurement of communication ear plugs (cep). As a result of her efforts, 90% of the aircrew she serves now have custom cepts, drastically improving aircrew situational awareness and crew coordination while simultaneously reducing their risk for long-term auditory impairment. Additionally, Lt Bradley recognized thermal burden as the #1 environmental stressor for Okinawa based aircrew and again leveraged her knowledge and evidenced based data to successfully coordinate the procurement of two-piece flight suits for 100% of her aircrew. These combined efforts had a significant impact on aircrew performance, reflected in the fact that for the first time in 99 years, commander, marine forces pacific had zero class a flight mishap during the fiscal year. Lt Bradley's impact was not limited solely to her Okinawa-based aircrew. Her leadership and devotion to aircrew survivability was evident in her coordination with the U.S air force and Japanese air self defense force on personnel

recovery policies, procedures, and capabilities. Her efforts led to five personnel recovery training events, culminating in a full-scale, joint service, oceanic search and rescue exercise that both reinforced aircrew survival skills and validated the local area mishap response process. Her passion for aircrew safety and leadership were recognized, as she was then hand selected to represent 3rd marine expeditionary force on a 4-star led NATO command post exercise. She expertly coordinated with multi-national personnel recovery and medical planning professionals to codify lessons learned, best practices, and operational gaps in order to improve naval integration into the joint combat environment. Her work significantly advanced the safety and survival posture for all aircrew operating within the region.

Life Membership Status

Each year, SAFE bestows 'Life Membership status' on up to two individuals for outstanding achievements on behalf of our association. These individuals have been instrumental in promoting safe as an organization as well as demonstrating a commitment to getting people involved.

This year the safe association board of directors has bestowed life membership status to Mr. Ebby Bryce and Mr. Mark Gruber for their work as leaders within our association for numerous years.

Each year the association's president gives an award to a deserving member or members who has worked tirelessly to move the association forward. The deserving members this year will be surprised as they

(Continued on page 6)



Edgar "Ted" Poe receiving the President's Award. Award presented by Jerry Reid.

are individuals of character who serve this organization without question. They constantly seek to improve, streamline, and develop this association.

**President's Award #1:
Mr. Ted Poe**

Our first President's Award was to an individual that has without question placed this organization on a path of growth. There is no hiding that 6 years ago this organization needed a shot in the arm of new thoughts and new structure. Today we are seeing increased memberships, as well as symposiums that both cater



Stacy DeLoach Stuber receiving the President's Award. Award presented by Jerry Reid.

to industry need to showcase technology and demonstrate capabilities while at the same time provide a location for military members to openly engage and be transparent to industry about their needs. He has completely changed our symposiums and with that has earned the thanks and trust of industry and the services. This award with thanks went to our 2022 Symposium Chair – Mr. Ted Poe.

**President's Award #2:
Mrs. Stacy Stuber**

Our Second presentation of the President's Award is to an individual that tirelessly continues to promote and sustain the association. She is the anchor of the board. She has been instrumental in streamlining the associations day to day operations. She is a person that is constantly working to ensure our members are always taken care of as well as providing leadership to the board of directors. For seven years, the board of directors has had one constant leader who has helped seven presidents master the art of SAFE operations and day to day businesses. Thus, it is with grateful gratitude that we present this award to our administrator, Mrs. Stacy Stuber.

This year the President recognized an industry organization that has committed resources, and time into this organization. The organization supports numerous members activities on an international scale. This organization supports our SAFE Chapter in Europe and the Middle East both as committee members as well as in leadership positions. The organization allows organizational members to be on the Board of Directors and those individuals are key in leveling up our Journal, social media, and Membership areas. The organization never says no

in supporting SAFE and thus, we would like to thank and present the President's Award to Martin-Baker Aircraft Company.

**SYMPOSIUM SIGNIFICANT
EVENTS AND HIGHLIGHTS**

Opening Ceremony, Welcome, and Special Presentations. This event was the official kick off moment for our 60th Symposium. We lined up key speakers relevant today for all attendees. During this event we show cased a new industry technology that has won numerous awards this year, RED - 6.

**Symposium Science and
Technology Summary**

The 2022 SAFE 60th National Symposium Technical Program took place and addressed the most critical current topics within the field of aviation protection, safety, and performance. The technical program was diverse in nature covering Safety topics along with biomechanics/injury, anthropometry, several sessions on computational modeling of injury and ejection system safety.

Our technical program included many DoD-led panels ranging from the injury panel on Monday October 31st to additional panels on hearing protection, acute HSM JPC-5 joint service discussion, I-PREDICT computational modeling and panel covering identification and mitigation of LPU inflation discrepancy. But, as usual, the program covered a variety of topics including oxygen, clothing, CBRN, helmets, hearing protection, training, CAD/PAD and aerospace physiology. Numerous sub-topics such as monitoring oxygen quality and detection of contaminants in the cockpit, survival training, accommodation, dynamic test and modeling, human factors,

(Continued on page 7)

and cartridge-actuated devices were discussed over the course of 22 sessions.

Mr. Mark Ruddell from the U.S. Air Force Safety Center highlighted trends in U.S. Air Force Flight Safety. CDR Daniel L (Val) Immecker from the U.S. Navy - Safety Center Brief provided trends from the fleet. Furthermore, to complement the many technical sessions, the program included a service Acquisition Program Management brief given by the U.S. Air Force and U.S. Navy Program Offices. This is in addition to a services Science and Technology brief that included presentations from U.S. Air Force, U.S. Navy and U.S. Army. Finally, we are soliciting more papers for the SAFE Technical Journal. The next issue will be published in 2023.

60th Symposium Celebration Event - Tuesday 1 Nov - 1800 - 2100 - This event kicked off our 60th Celebration Event in the Exhibit Hall. We had food, refreshment, music as well as all the exhibitors being open for business.

Equipment Demonstrations - Water Demonstrations - This year we were able to offer because of our fantastic Outdoor Sponsor - Omni Defense Tech. This year we were able to present a 45-minute series of equipment demonstrations by Omni, Switlik, and the US Coast Guard. This event was attended by 400 individuals and is now being looked at as a permanent part of future symposiums.

Order of Life Support Dinosaurs (OLD) Club

First meeting of the OLD was a rousing success. The Dino Club is an informal organization that was established at Wright Patterson AFB, OH in 1985 based on an idea formulated by Past

SAFE Presidents Alva Karl and Dick Adkins.

The idea of the Dino Club is to recognize those individuals who had served at least 25 or more years within the Life Support Systems professions and community. Membership are comprised of all services, civilian and military, as well as members of industry. It included the Life Support Systems, Egress Systems, Oxygen Systems, Program Management, Engineering and other related Aircrew Protection professions.

The first meeting was very well attended. For those interested in becoming members, please reach out to SAFE Executive Advisor and Interim Chief Dinosaur, Al Loving, at: Email: aloving@cox.net. Mobile Phone: (757) 218-8560

Annual Golf Tournament

We would like to thank everyone that helped and attended the Annual Golfing event. Thank you to the sponsors and players. Many Thanks to Ebby and the team to making it happen this year.

The winners of this years event

1ST PLACE TEAM:
Petronzio, Jake
McDavid, Tim
Borchelt, Don
Wallace, Ken

2ND PLACE TEAM:
Bryce, Ebby
Bryce, Sonya
Lafrance, Bob
Butler, Scott

Annual 5K Run

Every year this event just gets better and better. We would like to thank our Sponsors and the whole Volunteer team for a Job Well Done.

To Our Sponsors listed below. THANK YOU!

DIAMOND:

- East/West
- Gentex

PLATINUM:

- Networks Electronic Company LLC
- Survitec
- Eaton
- SSK Industries & Butler Parachute Systems
- Martin-Baker
- Safran
- Switlik

GOLD:

- TIAX, LLC
- Dayton T. Brown
- Omni Defense Tech

SILVER:

- Massif
- Wing Group

COFFEE KIOSK: AETC

OUTDOOR DEMO:
Omni Defense Tech

STAGE: Martin-Baker

RESULTS:

<https://www.safeassociation.com/index.cfm/page/5k-runner-info>

Our Sponsors

On behalf of the SAFE Annual Association Symposium Team and our Board of Directors, we would like to express our sincere gratitude to all our sponsors for their generous support. Your contributions have helped to make this year's event a success and we are truly grateful.

We appreciate your belief in our mission and your commitment to advancing safety in our industry. Your support has allowed us

(Continued on page 8)

to bring together industry leaders, experts, and professionals for valuable discussions, networking, and professional development. Thank you for helping us to create a dynamic and engaging symposium that has benefited our 691 attendees. We look forward to continuing our partnership and working together to further our shared goals. Thank you again for your support. Your generosity is greatly appreciated.

CLOSING COMMENTS

We are thrilled to have successfully completed another year of the SAFE Annual Association Symposium. This year, we tried out new ideas, kept some tried and true elements, and learned from our mistakes. We couldn't have done it without the support of our attendees, who helped make the event a success. With 691 attendees, it's clear that when we provide valuable content and bring together members, industry leaders, and the user community, success is sure to follow.

On behalf of the Symposium team, I would like to express my sincere gratitude to each and every one of you for your attendance, assistance, insights, and constructive feedback. It has been an honor to serve as Chair for several years, and I am excited to see what the future holds under the leadership of our new Chair, Ms. Emma Sutcliffe, 10-12 October 2023 in Virginia Beach, VA. Thank you all for your continued support of the SAFE Annual Association Symposium. BE SAFE...

Update from SAFE Europe and Symposium 2023

By Sarah Day

In June 2022, SAFE Europe held a very successful reduced format event, which was held in Cheshire. This was the first event for SAFE Europe since 2019 and the COVID pandemic. There were 75 delegates, with representatives from 11 countries. Presentations were provided from Martin-Baker Aircraft Company Ltd, DGA Aeronautical Systems, QinetiQ, MAELDAF Consulting LTD, Insta and BCB International Ltd. The best paper for 2022 was won by Mr Robin Saaristo, Martin-Baker Aircraft Company Ltd, for his paper on "Modelling and Integration of Survivability". In lieu of exhibition booths, company briefs and updates were provided by Gentex, Martin Baker, Cooneen, BCB, Survitec, Airsafe, Elbit, Insta and SES Ltd.

The preparations for SAFE Europe 2023 are well underway. The symposium is being held at the H4 Hotel in Bergedorf (Hamburg), Germany, on 13-15 March 2023. Registrations are growing steadily from our colleagues in professional agencies, specialist equipment producers and the User community and it is shaping up to be another great event.

The draft program is developing well, with our SAFE Europe Students of the Year from 2019, 2020, 2021 and 2022 presenting their MSc research, as well as presentations from key organizations.

Additional contributors are always welcome. Please contact Sarah Day at seday@qinetiq.com

Companies that will be there include Martin-Baker Aircraft Company Ltd, BCB International

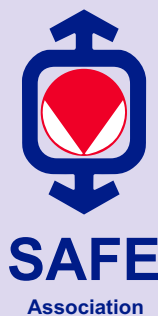
Gentex, Survitec, HR Smith, WL Gore, Cooneen, Insta, Aviation and Survival and Autoflug. The exhibition space is limited, so if you would like your company to exhibit, please contact Jo Hall at johall@ses-safety.com.

If you have not already done so, please register for the symposium through the following link: <https://www.eventbrite.co.uk/e/safe-europe-symposium-hamburg-2023-tickets-413264785097>

Your accommodation can be booked by emailing: Reservation.hamburgH4@h-hotels.com or +49 (0) 40 / 725 95 380. Please quote SAFE Europe. Rooms are 109 Euros for single occupancy, with a 20 Euro surcharge for double occupancy. Breakfast and wifi are included.

For further information, please do not hesitate to contact the Committee, please use info@safeeurope.co.uk or visit the SAFE Europe website at www.safeeurope.co.uk

Regards
SAFE Europe Committee



Welcome

NEW INDIVIDUAL MEMBERS

Jacob Gayman
Beavercreek, OH

Maureen Abshire
Dayton, OH

Jennifer Nikopoulos
Mesa, AZ

Joseph Rich
Dayton, OH

Ronald Williger
Springboro, OH

Raymond Moomey
Seneca, MO

Mario Vittone
Apollo Beach, FL

Thomas McMasters
Wright-Patterson Air Force Base

Samuka Koroma
Colorado Springs, CO

Stephen McGee
Yellow Springs, OH

James Elgersma
Xenia, OH

Cheyene Matthews
Marion, IA

Phinu Philip
Centerville, OH

Robert Harrill
Addison, TX

Anthony Taylor
Elkton, MD

Jonas Lilja
Upplands Vasby, Sweden

Per Watne
Kristiansand, Norway

Leslie Lenell
Culver City, CA

Anthony Cosentino
Suffolk, VA

Chelsea Levin
Centerville, OH

David McEttrick
Stafford, VA

Keith Higginbotham
Haslet, TX

David Sheridan
Chelmsford, MA

Douglas Swoope
Snohomish, WA

Larry C
Aurora, CO

Oscar Meyer
Yellow Springs, OH

Ronald Richardson
Kettering, OH

Heather Wright
Ottawa, Canada

Shane Jacobs
Worcester, MA

Charles Weisenbach
Beavercreek, OH

Kristian Brown
Mechanicsville, MD

Ken Von Der Ahe
Mesa, AZ

Jake Petronzio
Mesa, AZ

Scott Gliem
Mesa, AZ

Angus McLean
Bradenton, FL

Bryan Pilati
Hamton, VA

Alex Darbut
Arden Hills, MN

Anthony La Sure
Pompano Beach

Michael Patterson
Melbourne, Australia

Valerie Mitchell
Dayton, OH

Lukas Texeira
Kettering, OH

Hannah Jacobs
Worcester, MA

Conrad Meyer
Huntsville, AL

Juan Cuellar
Aledo, IL

Andy Auer
Colorado Springs, CO

JD Cain
Monument, CO

Jennifer Macauley
Chesapeake, VA

Anthony Dietz
Phoenix, AZ

Mark Hanebut
Colorado Springs, CO

Zhiqing Cheng
Dayton, OH

William Eriksson
Orebro, Sweden

John Kern

B. Joseph McEntire
Anderson, SC

Charles Cheng
Dayton, OH

Carolyn Price Moore
Universal City, TX

Sandip Suman
Fairfield, CA

Rex (Robbie) Robnett
The Villages, FL

Ken Boteler
Lafayette, CO

Stephen Wyatt
Clarksville, TN

William Beckett
Liberty, SC

Bob McElwain
Victorville, CA

Jan Blackburn
Great Falls, MT

Donnie Passman
Summerville, SC

Ryan Crossman
AF Henlow, United Kingdom

Jessica Boden
Davenport, IA

NEW CORPORATE MEMBERS

INVISIO
Chicago, IL

Draeger, Inc.
Houston, TX

SAFE Association Awards

By Mark Jones

Hello SAFE Members, and welcome to a great 2023!

Each year, we take great pride in recognizing members of our community whose efforts and dedication have contributed to the preservation of human life.

Last year, we had the great honor to recognize these outstanding individuals and teams:

- Mr Nigel Lovett, Michael R. Grost Career Achievement Award
- Mr Brad Mastrolia, Michael R. Grost Career Achievement Award
- Naval Aerospace & Operational Physiology (NAOP) Internship Program Revitalization Working Group, SAFE Team Achievement Award
- Lieutenant Leah Bradley, General Spruance Individual Achievement Award
(Photo Not Available)



Nigel Lovett receiving Michael R. Grost Career Achievement Award. Presented by Jerry Reid

Nigel Lovett retired from Honeywell Aerospace Systems after 44 years with the company, having joined Normal Air-Garrett Ltd as an engineering apprentice in 1976. From 1985 he moved into the Life Support Division and has been a development engineer, project engineer, engineering manager, and retired from Honeywell in 2020 as the program manager for the F-35 Life Support System. Nigel has also been instrumental in the development and qualification of

the Life Support Systems for the Lockheed Martin F-22 and the multi-national Eurofighter Typhoon. These have been some of the most demanding military combat aircraft programs of our time. His knowledge, technical ability and leadership have been crucial to the successful introduction into service of these innovation and advanced Life Support Systems, for the benefit of the warfighter. Nigel has been a strong supporter of the SAFE Europe Chapter for more than 34 years. He is the corporate member for Honeywell and has been a regular visitor to the SAFE National Symposia, presenting numerous papers to advance the knowledge on Life Support Systems.

Brad Mastrolia is the principal designer/analyst for Raytheon, Collins Aerospace, Mission Systems. He has dedicated his entire four-decade career to saving lives through the advancement of crew escape technologies. Brad started his career working at McDonnell Douglas as an ACES II ejection seat engineer in 1982, and his efforts resulted in being awarded 29 U.S. patents related to safety seating. He has also spent 37 years programming and refining the advanced computer model Dynamic Escape System Simulator (DESS) used to predict crew escape system performance across multiple aircraft platforms. Brad designed the passive head and neck protection system used on the ACES 5 ejection system, and also created an escape system simulator that has been used for decades to predict system performance. This simulator has also been used during many aircraft mishap investigations to better understand the ejection and mishap information. Brad is the principle designer and analyst of the 4th generation crew escape program which has demonstrated safe ejections up to 700 knots using advanced technologies.

The focus of the NAOP Internship Revitalization Working Group is to provide Aerospace and Physiology officers with the knowledge and skills necessary to conduct lifesaving training for Naval Aviation crews. Over the past decade, naval operational requirements have exceeded the existing program schedule, and curriculum reviews indicated that the program did not meet the needs of the fleet. These knowledge gaps were validated, and the NAOP-IP Working Group was established to address these shortfalls. Group members were hand-selected to ensure a diverse cross-functional team representing key disciplines

(Continued on page 11)

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such as acquisitions and both rotor and fixed-wing experience. This group met frequently over a 12-month period, encompassing 875 man-hours, many of which were off-duty hours. The result



Brad Mastrolia receiving Michael R. Grost Career Achievement Award. Presented by Jerry Reid

was a more agile and comprehensive approach with curriculum better suited to emerging fleet requirements focused on aircrew safety and survivability. This achievement codified 284 skills and abilities and introduced 42 new lesson topics, transforming the way NAOP junior officers are trained. The revised document represents a significant step forward in ensuring NAOP officers are fully trained to support the human performance and aeromedical needs of their fleet air customers.

Lieutenant Leah Bradley personally revitalized six aeromedical training courses to provide effective fleet-relevant education covering Life Support Systems and human performance factors across 80 training evolutions in advance of numerous exercises and deployments. She also collected data and used it to gain funding for procurement of Communications Ear Plugs (CEP), resulting in 90% of her crews receiving custom CEPs which improve situational awareness and reduce crew fatigue, while also lowering the risk of long-term hearing loss. Additionally, Lt Bradley recognized thermal burden as the #1 environmental stressor for her aircrews and used her knowledge and evidence-based data to procure two-piece flight suits, which improved comfort. These two efforts resulted in significant improvement for aircrew performance and helped Marine Forces Pacific achieve their first Zero Class A Flight Mishaps record. Lt Bradley's leadership was evident in

her actions to coordinate five personnel recovery training events, culminating in a Joint Service oceanic SAR exercise involving U.S. Air Force and Japanese Air Self Defense Forces that reinforced aircrew survival training skills and regional response teams. Her leadership and knowledge were recognized by her selection to represent 3rd MAW on a key NATO command post exercise, where she expertly coordinated with SAR and medical planning personnel to codify lessons learned and best practices. Lt Bradley's work greatly improved Naval integration into the joint combat environment and advanced the safety and survival posture for all aircrews within the region.

We sincerely thank the 2022 SAFE Award winners for their tremendous efforts to further human safety and survival in challenging environments on land, in the air, at sea, and in space.

And now I ask that SAFE members start looking for deserving individuals to nominate for the 2023 SAFE Awards. Details will be posted in March on the SAFE Association website, <https://safeassociation.com>. I encourage you to take



Receiving the Team Achievement award are CDR Luke Quebedeaux and LT James Salassi

the time to show your support and appreciation for the countless hours someone you know has dedicated to our community.

Those selected as recipients will be recognized during the 61st Annual SAFE Symposium, 10-12 Oct 2023, being held at the Virginia Beach Convention Center, Virginia Beach, VA. We hope to see you there as we announce and recognize the 2023 award recipients.

Mark Jones
Awards Committee Chairman

News from the Chapters Chair

By John Plaga

Chapters begin receiving Association Funds

Disbursements of funds to the SAFE Association Chapters have begun being sent to the chapters. As mentioned earlier, the Board agreed to support the chapters by sending \$7.50 for every individual in the chapter, twice a year. This is also resulting in ensuring that each Chapter has a SAFE Association account and debit cards for the chapter officers to use for Chapter functions such as membership picnics, awards, swag, and participation in outreach events. We hope to have the funds dispersed to all of the US Chapters very soon.

GRAND CANYON CHAPTER (Bob LaFrance, President)

The SAFE Association Grand Canyon Chapter held its meeting and event at the Pima Air and Space Museum in Tucson, Arizona on Saturday, December 3rd. The attending members and guests had the



opportunity to see some great presentations, have a very nice lunch and social time, as well as tour the amazing museum. It was both an enjoyable social event as well as informative. Although the weather was rainy (very surprising for Arizona) the museum environment offered plenty of indoor exhibits between rain showers.

The meeting began with introductions and Kevin “Dumpster” Diver, SAFE Association National President, providing a video presentation of “What is SAFE” to the group. Dumpster was under the weather, thus the virtual presentation.

Notable speakers included Tim Carter with R.E. Darling (www.redarling.com/) who offered an overview of their background and product. Robert

Munoz of ProFlight Gear (proflightgear.com) provided a briefing on their business, which, like R.E. Darling, is located in the Tucson area. Carole Thompson of Nammo Defense (www.nammo.com), located in Mesa, Arizona provided a discussion of their product and how it relates to the aircrew safety world. Bob LaFrance of Task Aerospace of Mesa, Arizona provided an overview of its business and how it related to the other attendees in the room. The Keynote speaker was Mark Ruddell from the US Air Force Safety Center, who gave a very interesting briefing on mishap investigation from the Structural and Aircrew Safety Systems perspective. Mark is well known in the SAFE community for his work investigating mishaps evaluating egress system components and structural systems. Also in attendance was John Eslinger, former board member at the museum and an Honorary Commander at the 355th.

Through the University of Arizona, Mark Ruddell was able to have the event posted in several places at U of A. The meeting had two attendees from the U of A. The University of Arizona and Arizona State University are focal points for the Grand Canyon Chapter’s new member initiatives.

The Chapter would like to thank Pro Flight Gear and Task Aerospace for supporting this event, as well as the Pima Air and Space Museum for hosting the event free of charge! The museum is one of the most amazing in the US, having many aircraft belonging to the USAF Museum in Dayton on display. If you find yourself in or near Davis-Monthan AFB in Tucson, be sure and stop into this museum. Allow all day for a good visit.

The Grand Canyon Chapter looks forward to their



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next event in the coming future!

Rocky Mountain Chapter

The Rocky Mountain Chapter has officially been kicked off. We held the first ever RM Chapter Meeting on 11 January 2022. We reviewed the Chapter board members and asked for volunteers/nominees for open board positions. We also went over potential activities that we can do as a chapter and solicited inputs from the inaugural members on what they would like to get from the Chapter. Minutes were taken and will be distributed to the Inaugural members.

We plan to hold a second Chapter meeting in Q2 after the National Association re-assigns and notifies the members in the Rocky Mountain Region that they are a member of our chapter. At that meeting we will do a similar meeting to welcome the new members, go over the chapter board and solicit board nominees, and ask for their inputs on what they want to get out of the organization. We'll have an election to fill our board open positions at this second meeting or after that if necessary.

WRIGHT BROTHERS CHAPTER (Mark Gruber, President)

Tech Fest 2023

The WBC will have a display booth at the TechFest 2023, which will be held at Sinclair Community College, Dayton, Ohio, on February 18 and 19, 2023. This program is organized and conducted by volunteer members of the Affiliate Societies Council (ASC) of Dayton, a 501(c)(3) nonprofit organization. This event will once again be held in person! TechFest is a free two-day family event held at Sinclair Community College in Dayton, Ohio. It has been organized and conducted by ASC of Dayton since 2003. The focus of TechFest is STEM - Science, Technology, Engineering, and Math. See below for additional 2023 Tech Fest information. Tech Fest Link: <http://www.techfestdayton.org/>

The Chapter needs volunteers (both corporate and individual) to sign-up to help man the booth and to provide any additional Safety and Flight Equipment. Current items include:

- Booth Backdrop
- Full pressure suit with helmet
- Tube Food (I might try to get fresh so we can provide samples)
- Ejection seat
- Manikin (LOIS)
- Parachute Harness
- Body Armor
- TV Computer with Video

We look forward to seeing all of you on February 18-19, 2023!

Volunteer List and Technologies Display:

https://docs.google.com/spreadsheets/d/1qGiplZqpW9vRnNn-mcFgjbBAAtBJ2IUyD_k9DWJxeYvo/edit?usp=sharing



WBC Past Presidents Meeting. From back left - Ed Eveland, The Traveling Alberys (Chris & Bill), Hillary Gallagher, Mark Gruber, Mike Valpey, John Hill, Jeanie Smith, Bob Billings, Annette Rizer, Christine Robinson, and Louise Carter (not pictured).

3...2...1...And we are off! HAPPY NEW YEAR!

By Ted Poe

“By failing to prepare, you are preparing to fail.” – Benjamin Franklin

“By failing to prepare, you are preparing to fail.” – Benjamin Franklin

Developing a strategy is crucial for any organization, but it is especially important for non-profit organizations. A well-crafted strategy can help a non-profit achieve its goals and make a lasting impact on the community it serves. This year, I have been asked to undertake a two-year project to help define our next 10 to 20 years as an organization. I appreciate the trust of our association president, Kevin Divers, as well as the Board of Directors for looking to the future and understanding how important that process to this organization is. It is no simple task and as I prepare for this journey - this task looks daunting. Thus, I am coming to you the membership to ask for your help.

WHY: There are several key reasons why developing a strategy is important for a non-profit organization:

1. A strategy provides a road map for the organization to follow. It helps to define the organization’s goals, objectives, and priorities, and provides a clear plan of action to achieve them.
2. A strategy helps to allocate resources effectively. By identifying the most important areas of focus, a non-profit can allocate its limited resources (such as time, money, and volunteers) to the areas where they will have the greatest impact.
3. A strategy helps to build and maintain support for the organization. By communicating its goals and plans to stakeholders (volunteers,

community partners as well as the industry), a non-profit can build support and engagement for its work.

4. A strategy helps to measure progress and evaluate impact. By setting clear goals and metrics, a non-profit can track its progress and assess the impact of its work overtime.

HOW: There are several steps that a non-profit organization can take to develop its strategy:

1. Define the organization’s mission and values. The first step in developing a strategy is to clearly define the organization’s purpose and the values that guide its work. This will help to ensure that the strategy aligns with the organization’s core principles and goals. We worked on this process several years ago now and thus it is time to review and update this set of documents.
2. Conduct a situational analysis. Next, the organization will conduct a thorough analysis of its internal and external environment. This includes assessing the organization’s strengths and weaknesses, as well as the opportunities and threats it faces. For this to take place, we will be reaching out to you our members with a survey as well as to our Industry and Military partners. We will be looking hard at what we do right and what we need to get right in the future.
3. Identify the organization’s goals and objectives. Based on the situational analysis, the organization should identify its long-term

(Continued on page 15)

(Continued from page 13)

Luncheon:

On October 25th, Airborne Outfitters gave a luncheon presentation on BREDCRM (Battle-Ready Communicator, Reflector & Marker), a concealable personal recovery (PR) device comprised of a graphene antenna printed with VorINKTM, and a graphene

reflective backplane. This configuration optimizes LPI/LPE applications by transmitting the narrowest possible bandwidth when active, maximizing the signal’s efficiency, and passively reflecting a unique RF signature. BREDCRM can be incorporated into the operator’s uniform, garment or equipment and contains COTS RF backend

elements allowing it to function as a stand-alone PR system without a local infrastructure.

Past Presidents Meeting:

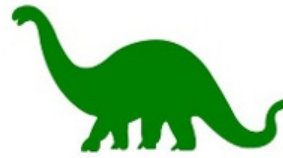
On December 16th, the Wright Brothers Chapter held its annual Past Presidents Meeting at the Wandering Griffin Brewery & Restaurant.

(Continued from page 14)

goals and specific objectives that it aims to achieve. These goals and objectives should be specific, measurable, achievable, relevant, and time-bound (SMART). As this is a process, this step will help future boards, Presidents, and members on what or where we are going. This document will help in bringing accountability and growth to the organization.

4. Develop a plan of action. Based on the goals and objectives identified, the organization will develop a plan of action that outlines the specific steps it will take to achieve them. This may include developing programs, partnerships, and fundraising efforts. We will work to define the steps we will all need to take to build on the 60 plus years of an outstanding organization.
5. Allocate resources. The organization will identify the resources (such as time, money, and staff) that will be needed to implement its plan of action and allocate them accordingly.
6. Measure progress and evaluate impact. The organization will regularly track its progress and evaluate the impact of its work to ensure that it is on track to achieve its goals and make a lasting impact.

Overall, developing a strategy is an ongoing process that requires ongoing assessment and adjustment. It means for us to understand where we are going and what it will take, we must learn from our past and be transparent in our discussions. As we start this new journey, I can assure you that your voice is as important as ever as we build the



Calling all Dinosaurs!

By Al Loving, Chief Dinosaur

The Dinosaur Club is in full swing once again...no longer extinct you might say!

The recent 2022 SAFE Symposium in Mobile, AL, always brings back many fond memories for us OLD Dinosaurs of people, places and times gone by at the previous SAFE symposia.

How about all of the many lasting friendships formed, the discussion with old friends and colleagues, the countless technical and special presentations attended, the numerous workshops and equipment demonstrations you've had the opportunity to present or view. Over the years special activities included live parachute jumps and water demonstrations, the several groups that have elected to co-location with the annual symposium. Not many other "Life Sustaining" or "Like Minded" organizations can come close to the spirit of those that came before us to pioneer this business.

The Dinosaur Club was originally formed all those years ago to perpetuate that legacy and spirit. Now, the reactivated Club, is set to carry it on - "We are now they!" So, join in the spirit; be part of the legacy!

Since the reactivation we've had some additions to the "Dino Herd". New members are:

Joseph Lynch
Lori Basham
Jerry Reid
Bob McElwain
Randy Loving
Jean Fontenot

Stephen Merriman
Joseph Notaro
Stella Norrvi
Dr. Robert Yonover
Steven Bromley

Your Order of Life Support System Dinosaur Club contact is Al Loving, Chief Dinosaur, at:

Email: aloving@cox.net
Mobile Phone: (757) 218-8560

Until next time!

documents that will define SAFE in 2040. In the next few months, we will ask you for your thoughts, comments, and time to define where we go. We are going to take our time and get this right for the organization. Over the next year, we will keep everyone informed and will provide a

briefing at our next Association Symposium on where we are at and what we have learned. Until then, may I wish you all a very Happy 2023 and I look forward to hearing from all of you over the next year on how we can move this organization forward.

Taking Logging to New Heights:

How unique features designed for the US Air Force, NASA and the NFL, have been reimagined into the new TSR AIR data logger

By Shelly Horvath

When you search “data logger” on Google the first question that comes up is “what does a data logger do?” When that was asked of Kyvory Henderson, senior manager of business development and anthropomorphic test device development at DTS, his answer was, “as much as possible, and then a little more!”

California-based Diversified Technical Systems’ (DTS) new TSR AIR data logger was inspired by some “big kitchen sink dreams” to fit as much as possible in the tiny 43x43x15 mm enclosure. “The TSR AIR is based on technologies we developed for the US Air Force, NASA and the NFL,” says Henderson, whose background is in injury biomechanics. “To DTS new technologies mean better sensors, lower power, better responses, and a more compact system. In some cases, we actually invented new sensors and ways of capturing data that allow us to conserve power better,” he explains. “Basically, it’s smaller, sexier, better,” he quips.

The TSR AIR is an easy-to-use, rugged, universal data logger with 11 built-in sensors. “I think the original name was the ‘universal data logger’ because it lets you record for long or short periods of time,” says Henderson. “It’s a quick and dirty test solution that can be used for applications we



The low-power TSR AIR is ideal for short duration tests with space and mass constraints, as well as long-term monitoring for up to months in harsh test environments

haven’t even thought about yet. That’s what is so exciting about a product like this,” adds Henderson.

The TSR AIR has pushed a lot of boundaries including memory, power, and capture mode capabilities. “The TSR AIR can run for up to an average of three months on the internal battery without any interaction. Plus, like the SLICE6 AIR its data acquisition counterpart, it has onboard memory or it can stream data out to your telemetry system for even more complex aerospace systems. It really is universal,” says Henderson.

There is another key feature that takes the unit above and beyond most data loggers currently available. The TSR AIR works both standalone and networked. “One of the development decisions was to make sure the unit could be standalone since it’s likely to be added in hard-to-reach places with limited access. Then, for added flexibility, it can be chained in the same test set-up with other TSR AIRs or SLICE6 AIR, or a combo, depending upon the test requirements,” explains Henderson.

One phrase that is often used in aerospace testing is SWaP – Size, Weight and Power. “For some of these test environments, they may not be able to

(Continued on page 17)



The new TSR AIR data logger works standalone or networked making it ideal for a variety of applications including vibrational modality, payload tracking, parachute deployment and transportation monitoring

run hundreds and hundreds of yards of cables to the location where they want to place sensors. It makes the test set-up complicated, time consuming, and there is room for all kinds of errors,” says Henderson. “The TSR AIR is an “always on” device so you could put one anywhere and set your arming or recording parameters. That thing is going to keep rocking and rolling until it reaches its event or memory limit, or it runs out of battery which could be months,” adds Henderson.

The TSR is ideal for a variety of applications including vibrational modality, payload tracking, black box shock recording and transportation monitoring. It can be the primary capture or used as a redundancy system. “One of the main things we heard back from customers about other systems they have been using were size constraints and issues with the reliability and accuracy of the data,” Henderson shares. “We have over 30 years of creating products that have to deliver reliable data no matter the environmental conditions. Failure is not an option, and all that knowledge is built into the TSR AIR.”

The TSR AIR pushes new boundaries and uses existing technology. One inspiration came from a triggering mode originally created for the DDR

(Dynamic Data Recorder). The DDR is a flex circuit data logger designed to embed in NFL mouth guards to record head impacts players may experience on the field. The mode is called “scheduled arming & recording.” Unlike a trigger threshold, this mode tells the device to go into a power conserving deep-sleep and then it wakes itself up to arm or start recording on a specific date and time.



The ultra-compact TSR AIR is an easy-to-use shock and vibration data logger with 11 built-in sensors, onboard memory and real-time streaming capabilities in a rugged enclosure

The TSR AIR also features full signal conditioning and 11 embedded sensors. Those include low-g triaxial linear accelerometers, high-g triaxial linear accelerometers, triaxial angular rate sensors, plus environmental temperature and pressure sensors. The setup and control software is a special TSR AIR version of DataPRO, that performs DTS-standard sensor and firmware checks for added reliability.

“The coolest thing about the TSR AIR is that we built those original products to help keep astronauts, aviators, and football players safe. That included new power modes, new ways to turn on our sensors and capture sensor data, plus how they communicate. We didn’t have the ability to do all that at this level. Now all those technologies are engineered into the TSR AIR.” says Henderson with a smile.

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 Stuber
admin@safeassociation.com

Steve Merriman
scmerriman@tx.rr.com

Pacific Rim Chapter Educational Outreach Activities

By Dr. Rob Yonover

The Pacific Rim Chapter and Dr. Rob Yonover continued their educational outreach activities in Honolulu in the last quarter of 2022. The University of Hawaii Innovation Breakthrough Challenge took place on the UH

open-ended discussions ensued that included environmental solutions, health-care, educational challenges, survival technologies (military/civilian), and an additional assortment of topics. The discussions were

Ph.D. geochemist/volcanologist, author, and North Shore big wave surfer living in Hawaii. His life-saving invention, the See Rescue Streamer - a patented emergency continuous signaling device, didn't get a deal on Shark Tank. Still, Rob was undeterred, and the See Rescue Streamer is now approved and used worldwide by military organizations AND can be found on every SpaceX flight!



Manoa Campus and was well attended with students from a wide sampling of the University participating, including the Law School, Engineering School, and Art Department. The student proposals were varied and included both software/app and hardware efforts. Many of the projects focused on environmental reclamation, a sign of the times. The finalists gave their pitches in front of a wide-ranging audience and a panel of judges in Shark Tank fashion. The most promising efforts were rewarded with monetary awards - an excellent incentive for all participants!

Dr. Rob Yonover was invited to present to salon-style think tank group of celebrated retiree's in Honolulu. The group represented a wide range of business and scholarly professionals, from technology to academia. The think tank encourages wide-ranging discussions and problem-solving. After Dr. Rob Yonover briefed the group on his background, an

dynamic and both broad and specific - depending on the topic at hand.

Dr. Yonover also was invited to appear on Joe Altieri's podcast, "Lessons from the Tank" Joe Altieri is one of the most successful Shark Tank companies as he founded Flex Screen, the technology that makes window screens flexible for easy installation. Here is Joe's introduction to the podcast (the link to the podcast is at the end).

Joe Altieri/Flex Screen:

If you need a dose of motivation, don't miss one of the most passionate guests I've ever had on my Lessons From The Tank podcast! Dr. Rob Yonover is a

I met Rob at a Shark Tank reunion of entrepreneurs who have appeared on the show, and we instantly connected. His passion and work ethic are unmatched, and his knowledge and life experiences are so interesting and engaging. I knew I wanted to have him as a guest on my podcast, and here are just a few of the entrepreneurial nuggets of wisdom Rob shares in this episode:

The 3 R's that you need to learn and constantly live by to be successful in ANYTHING that you do: Respect, Responsibility, and Resourcefulness



Shoot for the moon, but feel pride in whatever you accomplish. You don't always have to hit the big home run.

Don't quit your day job so you CAN eventually quit your day job. Keep working while developing

(Continued on page 18)

Human Factors Doings Elsewhere

By Steve Merriman

Aerospace Medical Association (AsMA): AsMA will hold its annual meeting in New Orleans, LA on May 21-25, 2023. AsMA Annual Scientific Meeting 2023 (New Orleans LA) - 93rd Aerospace Medical Association Annual Scientific Meeting - showsbee.com

DOD Human Factors Engineering Technical Advisory Group (DOD HFE TAG): The next meeting of the DOD HFE TAG will be 8-12 May 2023 at the Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA . The TAG and its more-than-a-dozen SubTAGs will meet to review HFE plans, accomplishments, trends, etc. Industry personnel may attend if requested or if a member of the Technical Society/Industry SubTAG.

Please contact Steve Merriman for details. Description - DCTO(S&T),

file:///C:/Users/Steve/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/BTNEYKFJ/TAG%2075%20Save%20the%20Date%202023.pdf

Human Factors and Ergonomics Society (HFES): HFES will hold its International Symposium on Human Factors and Ergonomics in Healthcare on 26-29 March 2023 in Orlando, FL. Healthcare | Human Factors And Ergonomics Society (hcs-2023.org)

National Defense Industrial Association (NDIA): The Human Systems Conference will be held at George Mason University on 1-3 March 2023. 2023 Human Systems Conference (ndia.org).

SAE International G-45 Human Systems Integration Committee: SAE6906, Standard Practice for Human Systems Integration is being updated in 2023. Committee membership is free. Please contact Steve Merriman for details. SAE6906: Standard Practice for Human Systems Integration - SAE International.

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

- 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

(Continued from page 18)

your idea until you're sure you have a reason and the means to quit.

The #1 survival tool in any situation is your brain. Never stop learning and growing, and don't ever let yourself get bored.

I promise you'll be motivated and inspired by Rob's enthusiasm, knowledge, and business wisdom. Don't miss this episode of Lessons From The Tank!

To learn more about Rob and The See Rescue Streamer, visit seerescuestreamer.com. Click on link to view:

<https://joealtieri.com/lessons-from-the-tank-podcast/dr-rob-yonover-everything-is-a-problem-to-solve/>

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Lizanne Luchetti

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!!