



SAFE News

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

SAFE Association – Our 64th Year

Volume 24

Number 3

Summer 2021

President's Message

By *Ebby D. Bryce, 2021 President*

Great News! Barring any major disasters or setbacks we will be hosting our 59th Annual Symposium in Mobile Alabama, November 2nd – 4th 2021.

I am confident that Nicole Stefanoni is going to provide quite a bit of information on this year's symposium, so I won't go into great detail on the symposium; however, and since we are halfway there...I want to let you know that your SAFE Board of Directors are working their tails off to improve the association and make this year's symposium a great event. Here are a few things that your awesome Board of Directors are working on to make this year memorable:

Nicole, your Symposium Committee Chair, Ted Poe, Committee Member, and her event coordinators are planning two SAFE Networking Social Events at the Mobil Convention Center. Weather permitting, these events will take place both inside the convention center and outside in the great South Alabama atmosphere. Obviously, these are not all that the Symposium committee is working on, but they want these events to be extra special this year...so I just wanted to mention them so you don't forget to attend these events at the symposium. I could go into more detail about the work these folks are doing, but the newsletter can only have so many pages.

Matt Miller, your Association Development Committee Chair and John Plaga (Immediate Past President) are working out the final details of a few co-located events. These events are beneficial to the SAFE Association because they will bring our government members face to face with our industry members...and isn't this what it is all about? The SAFE Association mission is: The preservation of human life. And 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. I cannot think of a better way for SAFE to meet both our mission and our objective...than to have meetings designed to bring the key players together in an atmosphere to trade information.

Steve Merriman and Harrison Smith, your Information Management Committee Co-Chairs are not only working on providing you all the information in these newsletters, but they are keeping the SAFE Association social media outlets updated with information that benefits all of our members. As an added task, they have taken on the challenge of designing a Symposium App that will have valuable Symposium information and can be used by everyone in attendance.

Steve Roberts, your Membership Committee Chair has completed and analyzed one survey and is working on another survey for this year's symposium. These surveys are very important to all of our members because they provide the Board with the information to improve everything we do. In fact, many of the tweaks we are putting into action this year came from the findings of Steve's last survey. I ask that you please give a few minutes of time and some deep thought when the next survey is released so that Steve and the Board know what you think of how we are doing and where we can improve.

Casey Pirnstill, your Science and Technology Committee Chair and Camille Bilger, your Journal and

(Continued on page 2)

Editorial Committee Chair never stop working. These two are on the Board again this year for good reason, their Jobs are never ending. As soon as one symposium is over or a Journal is released...they start all over again and don't ask for a break. They are not only working to ensure the information provided at the symposium and/or in the Journal is top notch, but they have been asked to help the association design a new website that will not only be more intuitive, but provide easier access to the information. This has been something that our members have asked for over the years, and Casey and Camille... along with Harrison Smith, Joe Spinosa, and Steve Bromley are going to make it happen!

Rachel Ryan, your Chapters Committee Chair has a full plate. She is working with your SAFE Chapter presidents to ensure that the association Board is aware of all their needs. She is also working with the SAFE Chapters to coordinate exhibit and meeting spaces for our Chapters to get together with Chapter members at this year's symposium.

Al Loving, your Nomination Committee chair and Mark Jones, you Awards Committee Chair are knee deep into ensuring the success of our annual awards program and providing nominations for this year's annual elections. These two tasks are very challenging, but these two have been steadfast in SAFE operations for years, so

although I know it isn't easy...they sure make it look easy

In addition to all of the work your amazing committees are working on...your elected and appointed officers are not just sitting around waiting for stuff to happen...Joe Spinosa, Ted Poe, and Jerry Reid are working on the legalities of the SAFE Association providing financial assistance to our Chapters and setting up Grants and/or Scholarships. Ted Poe and I are working with the USAF Aircrew Flight Equipment Leadership to co-locate a couple events with this years Symposium...

Thank you to all of our members (individual and corporate) and I realize that this is not a typical message from the president, but sometimes the hard work of our Board of Directors goes unnoticed, so I wanted to give everyone a little insight as to how hard you board is working to ensure the SAFE Association provides a valuable service to each of our members. If you see a board member...please tell them "Thank You" for what they are doing; and as always, please let any of them know if you have any recommendations or know anyone who wants to be more involved is the SAFE Association operations.

Thanks again and until next time... Have a SAFE day.

Ebby D. Bryce
President, SAFE Association

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

UP-COMING MEETING

MEETING

SAFE Association 59th Annual Symposium

DATE

November 2 - 4, 2021

LOCATION

Mobile, AL

The 2021 SAFE Symposium Summer Update (Yes, it's still on!)

Summer is here and that brings out a lot of smiling faces – faces that we are starting to see unmasked! That good news is certainly making the Symposium Committee smile a bit wider, as working on the in-person Symposium this year has been done so, thus far, with an unparalleled feeling of hopefulness like no other year. However, it is not “blind hope” that we are proceeding with and understand the seriousness of the pandemic that still lingers and affects us. Our Board Members continually monitor the situation and will make changes as necessary.

Since opening registration, one thing we quickly learned was that you all are ready to get back to an in-person event. Your optimistic response has been refreshing and we thank you. We have numerous co-locating groups confirmed, our Exhibitors are filling up the booth spaces and sponsorships are going fast!! To our current sponsors – Cobham Mission Systems, Dayton T. Brown, Inc., Massif, Nammo Defense Systems, Revision, and Switlik Survival Products – Thank you for your additional support to the SAFE Association!

Our Symposium schedule is coming together with familiarity of previous years but will run on a Tuesday thru Thursday schedule. Our SAFE President, Ebby Bryce, will kick things off on Tuesday, welcoming everyone to our 59th SAFE Symposium in the new venue of Mobile, Alabama. The Symposium week will offer dynamic presentations and informative technical presentations. Also, in the works are Industry Days and we will be releasing more of those details in the coming months. Not to be forgotten, we will have our social events - you'll have the opportunity to participate in our Golf Tournament, as well as our 5K Run. We are also working closely with the group, “Visit Mobile”, to plan fun evening networking receptions for our exhibitors and attendees. Keeping up with the times, our Symposium App will be refreshed and will help you keep track of events happening all week!

While the SAFE Association proved to be nimble and pulled off a successful virtual symposium in 2020, we are ready to provide the platform we know works best for our community. But it is important to be in the same place at the same time to share professional knowledge, take advantage of networking opportunities and make personal connections, explore the technological advancements of our industry members, and utilize any and all conduits for learning, exploration and innovation in the field of personal safety and protection.

If you have not yet done so, please make plans to join us - November 2-4, 2021 at the Mobile Convention Center in Alabama. Online registration is open for attendees, exhibitor space reservation, and sponsorship opportunities on the SAFE website at www.safeassociation.com. Also on the website, you can request space to host a special meeting, workshop, or leadership activity. Please do not hesitate to reach out to a SAFE Board Member or our SAFE Administrator if you have any questions.

Continue to take care of yourself and those around you. We are looking forward to November!

Sincerely,

Nicole Stefanoni and the SAFE Symposium Committee

*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

SAFE Association Secretary's Report

SAFE holds quarterly Board Meetings to discuss SAFE Association business and formulate strategies. These valuable meetings bring together a team of Industry and Government members volunteering their time to ensure the success of the organization. They are the key to developing future plans for the SAFE Association. As we know in-person meetings have been difficult to make happen during the Pandemic, but your Board of Directors have continued to work hard and keep up with the planning, organizing, and continued work of managing such a large organization through virtual meetings. The most recent Board meeting was held in a virtual format on 23 March 2021, we have also worked more vigilantly at the Action Items of the Board with monthly Action Item review meetings.

Our March Board meeting included discussion of how COVID-19 may impact our 2021 SAFE Symposium in Mobile and how the Virtual Symposium brought some new opportunities and outreach that we do not want to necessarily lose with going back to in-person symposia. We have been keeping an eye on the continuing to be cancelled conventions and events outside of SAFE that have re-scheduled around our dates. We have seen some positive strides and a continue proper direction of pandemic statistics as we do our monthly Action Item meetings and look forward to an in-person board meeting in late August in Mobile, Alabama. Our Symposium Committee continues to dominate through diligent work to provide options and are ready to talk hybrid symposium options as well as overall give us a great picture of how the 2021 Symposium in Mobile will be another great event for Government and Industry.

During our Board meeting in March, there was a continued discussion and a review of survey statistics on how SAFE must evolve to better serve its members and show the rewards in membership. Board President Ebby Bryce provided his vision on the continued evolution of SAFE, and organizational goals and objectives were clarified to better describe the role of SAFE as an International Organization. We also discussed potential changes in Mobile that we believe will bring a great amount of flexibility and improved ability to demonstrate products (especially water survival type products) and for our military and government organizations to improve their outreach and goals for the future with Industry.

As we have stated before, our organization is only as strong as its members! So, if you have ideas or thoughts about how to improve SAFE, please contact me or another Board member so we can act on them. Please try to attend our general membership meeting that will be held during the 2021 SAFE Symposium. In fact, look forward to having the ability to participate in the run and golf tournament without worrying about the time until those first meetings start. These are just a couple of the exciting new ways of doing things that we think will help your SAFE Symposium be a favorite event to participate in!

Finally, the SAFE Association is pleased to see the reinvigorated and increased attendance of members and growth in corporate partnerships over the past few years! The growth in partnering with our military organizations to host and/or support "Industry Days" has also re-emphasized that the SAFE Association is a cornerstone of technology growth and enhanced protection of the personnel in air, land, sea, and space. We are excited to seeing the revived fervor in our many Chapters as the exit the pandemic measures that hampered gatherings and expect big things from them this next few years. Most of all, we look forward to seeing you attend the SAFE Symposium in early November!

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!!

SAFE 5k Runner 2021

Wednesday, 3 November

Start Time: 7:00AM

COME SEE FRIENDS AND COLLEAGUES AGAIN!

Open to all SAFE Symposium Attendees, Friends and Family

Runners & Walkers are Welcome



LOCATION: Mobile, AL

ONLINE REGISTRATION: Opens 16 August 2021 Check the SAFE website for more details.

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

ONLINE REGISTRATION CUT OFF: 29 October 2021 (Onsite Registration for one day only)

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

AWARDS RECEPTION: Awards for top finishers and much more! Race shirt and reception for all participants.

DAY OF EVENT SCHEDULE

6:00 – 6:45AM: Warm up

7:00AM: Race Time

7:45AM: Awards and reception

Event Details are posted on Facebook and SAFE Association website: www.safeassociation.com

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

SAFE Golf Tournament Update

By Jenn Nikopoulos

The SAFE Golf Tournament is a great time to enjoy the company of other Symposium attendees, make new friends, enjoy a beautiful course with great views, etc. This event is always a wonderful time and I encourage anyone interested to participate...golfers of all levels are welcome and encouraged to participate. I am also excited to announce that the tournament will be held at the RTJ Golf Trail at Magnolia Grove.

In addition to participating and enjoying an awesome event...I would like to invite our members to donate financially and/or items such as: golf balls, golf towels, or other golf accessories to be handed out to each participant or given away in the post-tournament raffle. I would like to stress that any and every donation will help and be greatly appreciated, but here is a list of awards we typically hand out and where financial support will help out:

- \$400 – First Place Team (\$100 to each golfer on team)
- \$300 – Second Place Team (\$75 to each golfer on team)
- \$100 – Last Place Team (\$25 to each golfer on team)
- \$200 – Longest Drive Winner (one men's and one women's winner)
- \$100 – Closest to Pin Winner (one winner)

Thank you for your consideration and I look forward to hearing from anyone interested in participating in and/or sponsoring the 2021 SAFE Golf Tournament.

SAFE would like to thank the following members of industry for their participating in the 2021 Symposium Sponsorship Program.

Platinum Level Sponsor



Silver Level Sponsor



Gold Level Sponsor



www.DTB.com



REVISION.



2021 SAFE ASSOCIATION BOARD OF DIRECTORS

ELECTED BOARD MEMBERS

PRESIDENT, & FINANCE
COMMITTEE MEMBER
Ebby Bryce

PRESIDENT-ELECT & FINANCE
COMMITTEE MEMBER
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Kevin Divers

IMMEDIATE PAST PRESIDENT &
FINANCE COMMITTEE MEMBER
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INFORMATION MANAGEMENT
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INFORMATION MANAGEMENT
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Harrison Smith

AWARDS COMMITTEE CHAIR
Mark Jones

FINANCE COMMITTEE CHAIR
Joe Spinosa

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Bob LaFrance

DFW METRO CHAPTER
Lizanne Luchetti

EAST COAST CHAPTER
Dave DeSimone

PACIFIC RIM CHAPTER
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Mohanad Alakal

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Mark Gruber

2021 SAFE ASSOCIATION AWARDS PROGRAM – Call for Nominations

Attention: Corporate, Individual, Military, and Academic Members of SAFE

Each year, we take great pride in recognizing members of our community whose efforts and dedication have contributed to the preservation of human life. This endeavor relies on our SAFE membership to take an active role in the recognition of those members of the safety and survival disciplines by submitting nominations for the various SAFE Association awards.

In reviewing the Awards Booklet, please pay attention to each category of award and their respective definitions.

You will also note the list of past awards and recipients. Please do not confuse the past awards with the new awards. This list of past awards and recipients only serves to highlight the history and breadth of our awards, our industry contributions, and to recognize those past recipients.

I encourage you to take the time to show your support and appreciation for the countless hours someone you know has dedicated to our community. Do not allow someone deserving of recognition to slip away; submit your nomination today! Again, it is important to review each new award category and description carefully, and to submit your nominee in the correct category for proper evaluation.

The 2021 nomination information is also available on the SAFE website (see form below). No award will be accepted if it is not on the correct nomination form.

Those selected as recipients will be recognized during the 59th Annual SAFE Symposium being held 2 - 4 November 2021 at the Mobile Alabama Convention Center, Mobile, AL. We hope to see you there as we announce and recognize the 2021 award recipients.

Finally, make a note now of the Friday, July 23rd 2021 submission deadline.

The SAFE Awards Program now consists of the following award categories and descriptions. Download the Awards Booklet to see those who have received the award since 2013:

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 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 an industry 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.

Please note:

- The person submitting the nomination (nominator) must be a current SAFE national member or corporate designee.
- Nominees need not be SAFE members.
- Nominations should be for specific awards, for which the nominee has not already been recognized (see list of prior award recipients).
- A SAFE member may submit as many nominations as he/she feels appropriate.
- Extensive or elaborate justification is not necessary.
- The deadline for the submission of nominations is **close of business (West Coast Time) Friday July 23, 2021. Late or incomplete submissions will not be accepted - no exceptions.**

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MARTIN-BAKER TO PROVIDE MK. 18 SEATS TO SOUTH KOREA'S NEW FIGHTER AIRCRAFT



KAI unveiled South Korea's first indigenous fighter jet prototype on 9th April 2021, 5 years after the start of the KF-X program, naming it the KF-21 Boramae during the announcement showcase.

KAI aim to deliver 40 KF-21 aircraft to the Republic of Korea Air Force by 2028 with 80 more aircraft to follow by 2032.

The KF-21 will be fitted with Martin-Baker Mk.18 Ejection Seats – the latest in Ejection Seat technology. Martin-Baker are proud to be suppliers on the KF-X program and to support the ROKAF

and South Korea in this significant milestone for the country.

Andrew Martin, Senior Vice President of Marketing and Business Development, said;

“MB is honoured to have been competitively selected for this new aircraft. We have seen first-hand the dedication and hard work that KAI and its team put into their successful KT-1 and T-50 aircrafts and we have no doubt that the KF-21 will follow the same path.”

(Continued from page 7)

Complete and submit the Nomination Form below (or Page 8 of the Awards Booklet) in one of three (3) ways:

- Nominations may be submitted electronically by completing the form below.
- Mail to SAFE Association, Post Office Box 130, Creswell, OR 97426-0130.
- Email: admin@safeassociation.com

Mark Jones
Awards Committee Chair

METEOR MID-AIR COLLISION, 1954

As we are approaching the 67th anniversary of my ejection and having reached my 91st birthday, I thought it was about time, on behalf of my wife, children, grandchildren and great grandchildren, that I expressed my thanks to the Martin Baker Company for saving my life all those years ago. As you can see, much has happened since then. The service you have provided for so long for so many has been of historic significance. Many congratulations to a fine Company.

SUMMARY OF EJECTION

On the 10th of June, 1954, I was leading a pair of Meteor PR 10s from Tunis to Istres in the south of France when my number 2 collided with my aircraft from behind at an altitude of 30,000 feet. Our position was 90 miles west of Sardinia. The PR 10 had forward facing as well as vertical cameras. Unfortunately, he got too close and crashed into my tail breaking it off with most of of my rear fuselage.

The aircraft was fitted with a Martin Baker Mark 1E ejector seat. I had to manually release the seat harness and clear the seat which would normally be fairly straightforward aided by the seat drogue stabilising the seat on its descent. Unfortunately, the seat drogue line was thought to have snagged the canopy release mechanism during canopy ejection so there was no seat stabilisation and I seemed to be on my back, gyrating wildly as I sought to operate the ejector seat harness release.

I eventually did so although my gyrations continued. I then had to operate my parachute D ring which presented a further problem as it had slipped behind my back due to not having sufficiently tightened my harness at the start of the flight and the previous gyrations. I eventually managed it and then - silence - as my parachute canopy deployed. I remember looking



down and seeing, well below me, a tiny aircraft looking like a small toy spinning and splashing into the sea.

As I approached the sea surface I had difficulty in releasing my parachute harness and this resulted in becoming entangled in the parachute lines as I dragged the parachute under the surface with me. I slowly disentangled myself from the lines and operated my K type dinghy.

About half an hour later, an aircraft flew at a low level directly over me. I waved and it disappeared into the distance. I had not been prepared for the rescue effort to start so soon or appreciated how difficult it was to see a small dinghy in a vast expanse of water. About 8 hours later when I was beginning to prepare myself for night survival, an Italian aircraft appeared some way away but this time I didn't hesitate. I fired a 2 two star red and the aircraft immediately turned towards me. It circled over me and I knew I had been spotted. Later, I was picked up by a French passenger ship, the Commandant Quere. The ship continued its journey to Bizerta, near Tunis, so I was back where I started. The British Consul and his family kindly looked after me for 3 weeks. It took me over a month to get back to my Squadron in Germany via the Air Ministry.

So what happened to my colleague who struck me? While I was attempting to escape from my aircraft, he circled around and transmitted emergency messages. He did not see me eject and assumed I had crashed with the aircraft. He was able to continue to Istres in the South of France where he was to discover why his aircraft was behaving strangely. My tail fin was lodged in the rear of his fuselage and the two tails were connected to the rest of his aircraft by the aircraft skin alone. The Gloster Aircraft Company made strong aircraft! Fortunately for him, our Squadron Commander in Germany sent a Meteor from Gutersloh to Istres to confiscate the camera film. It was developed and printed back at base and I was later quietly passed a copy of the last photo taken (attached).



HFE/HSI Doings....

General: The DoD is implementing an Adaptive Acquisition Framework (AAF) to accommodate a variety of different acquisition strategies (from “quick fixes” to complex systems acquisition). The HSI community is currently trying to figure out how to adapt to these new acquisition approaches. Several organizations (including the Human Factors and Ergonomics Society (HFES), National Defense Industrial Association (NDIA), and SAE International) will be adding tailoring guidance to future versions of their guidance and standards to accommodate the new acquisition pathways.

The June 2021 DOD Human Systems Community of Interest (HS COI) Newsletter has been released. It covers past events, current accomplishments, recent presentation and publications, and identifies key HFE/HSI individuals in the DoD and Services. Please contact Steve Merriman at scmerriman@tx.rr.com to obtain a .pdf copy.

The SAE International G-45 Human Systems Integration Committee is working diligently to release two, new best practice standards in the next two months, on Habitability and Force Protection and Survivability. The Committee has volunteered to the DoD to assist with development of a new DoD HSI Handbook and an update to MIL-STD-46855A, the current human engineering best practice military standard.

The Department of Defense Human Factors Engineering Technical Advisory Group (DOD HFE TAG): At the time that this edition of SAFE News was being assembled, the DOD HFE TAG was scheduled to hold a Virtual Meeting on 29/30 June. The advance plan for presenting papers is shown below. Please contact Steve Merriman for details (scmerriman@tcx.rr.com).

VTAG THEME

Human Factors of Data Driven Decision Making

The focus of this virtual event is on applying an interdisciplinary, human centric approach to the exploration of challenges and solutions relating to human elements of data driven decision making as a major enabler of mission effectiveness and agility. DoD HFE TAG is providing this virtual forum as an opportunity for our members to sustain cross-service learning, leveraging, and information exchange across the HFE and Human Systems Integration (HSI) communities.

Technologies such as Artificial Intelligence and Machine Learning (AI/ML) can ingest and integrate real-time information and metrics at volume and speeds beyond human capacity to support Data Driven Decision Making (DDDM) and outcomes. Employing underlying algorithms, data repositories, and intuitive visualization they enhance human capacity for making strategic, agile decisions and help mitigate impacts of human factors such as subjectivity, emotion, and disposition from the decision making process.

In order to have an effective, sustainable DDDM program, consideration of topics such as data security, accessibility, trust, integrity, visualization, analytics, recency, as well as transactional and mass validity are paramount. The individual and compounding effects of these considerations in conjunction with human factors of performance can manifest as positive or negative impacts to decision making, significantly influencing outcomes. Understanding the outcome variance related to these human performance shaping factors and integrating their effects algorithmically with system performance models will strengthen readiness transparency and enable predictive, strategic planning for resilience.

Advances and achievements in this area are anticipated to have broad application and implication across DoD and beyond. However, the efficacy of the approach to enhance decision quality is heavily dependent upon the quality of the underlying elements. Therefore, it is imperative that the HFE government, industry, and academic communities of interest work together to ensure best practices are balanced with security and governance as these core capabilities are developed. VTAG 2021 will provide a collaboration environment for discussion of human centric challenges and potential solutions in order to forge the future of DDDM cross-service solutions.

(Continued on page 11)

VTAG 2021 Schedule

**All times are in ET and agenda is subject to change*

Tuesday, 29 June*

Commencement Events

1100 - 1130	Enter DCS Waiting Room	All Registrants
1130 - 1140	Welcome and Overview	Tom Alicia, Chair
1140 - 1150	VTAG Theme / Special Events	Marianne Paulsen, Vice Chair
1150 - 1200	Opening Remarks	Dr. Ben Petro, OUSD(R&E)
1200 - 1215	Keynote Address	Barbara McQuiston, Performing the Duties of Under Secretary of Defense for Research and Engineering (OUSD(R&E))

Technical SessionsFacilitator

1215 - 1315	Human Factors in Healthcare	Tandi Bagian, VHA
1315 - 1330	<i>Break</i>	
1330 - 1430	Artificial Intelligence	Daniel Wallace, NAVSEA
1430 - 1530	Measurement and Assessment	
1530 - 1540	<i>Break</i>	
1540 - 1640	Serious Gaming and Extended Reality	Tom Alicia, DEVCOM AvMC
1640 - 1700	Close Day One	

Wednesday, 30 June*

Special Event

1100 - 1130	Enter DCS Waiting Room	All Registrants
1130 - 1140	Welcome and Overview	Tom Alicia, Chair
1140 - 1210	TAG the Deck Plate.....	Warrior Toughness Program: FORCM David Twiford, Naval Information Forces (NAVIFOR) Command Master Chief

Technical SessionsFacilitator

1210 - 1310	Future Capabilities	Marianne Paulsen, NAVIFOR
1310 - 1320	<i>Break</i>	
1320 - 1420	Personnel Selection	Darren Cole, USAF Operational Test and Evaluation Center
1420 - 1520	Machine Learning	
1520 - 1530	<i>Break</i>	
1530 - 1630	Decision Making	Tom Alicia, DEVCOM AvMC



SAFE
Association

Post Office Box 130 - Creswell, OR 97426-0130

Phone (541) 895-3012 - FAX (541) 895-3014

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

April 2021

2021 CALL FOR PAPERS
59th ANNUAL SAFE SYMPOSIUM
NOVEMBER 2 - 4, 2021
MOBILE CONVENTION CENTER
MOBILE, ALABAMA

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
- Aviation Escape Systems
- Biodynamics and Physiology
- Crash Safety
- Directed Energy Protection
- Energetic Materials
- Extreme Environments
- Ground Vehicle Protection
- Hearing Protection
- Human Factors
- Individual Flight Equipment
- Life Support Systems
- Modeling and Simulation
- NBC Protection/CBRN PPE
- Ocular and Night Vision Systems
- Occupant Crash Protection
- Oxygen Systems/PBE
- Personnel Recovery
- Search and Rescue
- SOF Equipment
- Survival Equipment and Aids
- Test and Evaluation
- Technology Transfer
- Training and Simulation
- Troop Protection
- Windblast Protection

Deadline for Abstract Submission is
June 17, 2021

SUBMISSION GUIDELINES

Briefings, Panels (consisting of 2 or more Briefings) Demonstrations and Workshops (please specify).

Submit a 300-word abstract (electronically using the online abstract submission portal) to the SAFE Office through the SAFE website at www.safeassociation.com. Abstracts should be typed in 9pt Verdana font. A template is available for download on the website.

Just as the abstract submission process was last year, this year abstracts are to be submitted via a digital entry form through the SAFE website, rather than the traditional e-mailing of the abstract in MS word format to the organization. Once submitted a compiled abstract, as described above, is generated and e-mailed to the main 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.

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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 **twenty 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

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.**

Welcome

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