

SAFE News

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

SAFE Association – Our 63rd Year

Volume 23 | Number 2 | Spring 2020

President's Message

Dateline, March 11, 2020, the WHO just declared COVID-19 a pandemic. Inputs for this newsletter aren't due until 1 April, but I wanted to capture what was happening at this point in time. Multiple organizations are drastically curbing travel, especially non-essential travel. By the time you read this, about a month will have passed from when I am writing this, and you will have a better idea if things really got bad or if we were able to spread out the curve and reduce the peak of seriously ill people requiring care. I think our publishing date for this newsletter is 1 May...but what is currently happening as I type this has reminded me of the importance of our Association's contingency operations plan with respect to finances. [Note: in rereading this, I want to make sure that I am not downplaying the fact that many people are sick and dying from this virus.]

The first big financial hit for the SAFE Association that I can remember happened shortly after September 11, 2001. The Symposium was scheduled from September 17-19 at the Opryland Hotel in Nashville, TN. For those of you who were involved with the SAFE Association back then, you know that that symposium did not occur, for obvious reasons. I was looking forward to this Symposium, it was in a location not far from Wright-Patterson AFB, and we would be driving to get there. A young engineer in my branch was scheduled to go with us to experience his first SAFE Symposium. Again, that did not happen. As one might imagine, the Association was hit with a big financial penalty as a result of the cancellation of the Symposium less than a week before it was scheduled. This inspired the concept of having enough reserve funding to cover the operation of the Association for three years in case something catastrophic happened, specifically with respect to us not being able to hold a Symposium or as a result of a very low turnout.

Fast forward to 2012 and the GSA debacle at Las Vegas (see my article in Fall '18) as well as Sequestration

(Google these if you are younger and don't know what I am referencing). In 2013 only 311 people (157 of them exhibitors and only 11 government people) attended the SAFE Symposium in Reno, NV. This resulted in us not meeting our obligations with the Resort and having to rebook there or pay heavy fines. The following year in Orlando, we were up to 432 total attendees (168 exhibitors and 117 government), but even with the increased numbers, we still didn't meet our room night commitment. The difficult part with booking a Symposium site is that it has to be done years in advance, and something like the examples mentioned (as well as possibly COVID-19) can pop up at any time.

Lessons learned:

Again, while still relatively early in the unfolding of this crisis, there are already lessons learned that are emerging...not just for the world or individual nations, but for state governments, the DoD, companies of all sizes, and every individual. How can we better be prepared? Like most things in life, "that depends." The state of Wyoming might have a different response plan than New Jersey (the most population dense state), New York City a different plan than Minot, ND. A manufacturing company would have a lot more constraints than a company that does a lot of work on computers and does not require much direct interaction with coworkers or customers. An individual living in a high-rise apartment in Chicago is in a very different situation as someone living on 20 acres in rural North Carolina. With different countries, states, and localities responding in various ways, we will have a lot of data to see what was effective and what was counterproductive so that in the future, hopefully we as a nation and world can respond more quickly. As individuals, we all need to look back on our personnel experiences and determine how we all can be prepared for something like this virus outbreak or any other possible calamity.

(Continued on page 2)

Some overall lessons learned (so far) in my opinion include ensuring that the maximum number of people ABLE to telework CAN telework. By able, I'm referring to the people that do mostly computer work as opposed to those that are directly involved in manufacturing or fabrication where the need to be at industrial machines to do their job. By "can", I mean that they have the proper equipment and technologies to allow the employee to work remotely. I know that these days many businesses are operating largely via telework, yet other companies tend to stick to a brick and mortar office concept... besides the obvious such as laptop computers and secure connectivity into companies' networks, and having access to other teleconferencing capabilities. The SAFE Association Board of Directors is also looking at expanding our telecommunication technologies, not just for contingency planning, but also for day to day communications between the board members who are all geographically separated. We had previously been using a computer/voice conferencing capability to both record our board meetings and to allow participation by remote board members. This upcoming board meeting in late April will be conducted exclusively using this conferencing service.

In summary, the virus outbreak is (or soon will be) affecting almost everyone in the world, some much more than others. However, I see this as a wake-up call from national leaders to each individual on how to be prepared in the event of a national (or world) disaster. I truly hope that we can all take the lessons learned from this and be better prepared for a future disaster that might be even worse than our current situation.

Thank you,
John Plaga
President, SAFE Association

2020 SAFE ASSOCIATION - BOARD OF DIRECTORS

ELECTED BOARD MEMBERS

PRESIDENT, & FINANCE
COMMITTEE MEMBER
John Plaga

PRESIDENT-ELECT
Ebby Bryce

SECRETARY
Kevin Divers

IMMEDIATE PAST PRESIDENT
Edgar "Ted" Poe

VICE PRESIDENT & FINANCE
COMMITTEE MEMBER
Jerry Reid

TREASURER & FINANCE
COMMITTEE MEMBER
Steve Bromley

APPOINTED BOARD MEMBERS

EXECUTIVE ADVISOR & FINANCE
COMMITTEE MEMBER
Joe Spinosa

INFORMATION MANAGEMENT
COMMITTEE CO-CHAIR
Stephen C. Merriman

AWARDS COMMITTEE CHAIR
Mark Jones

SYMPOSIUM COMMITTEE CHAIR
Nicole Stefanoni

SCIENCE & TECHNOLOGY
COMMITTEE CHAIR
Casey Pirnstill

ASSOCIATION DEVELOPMENT
COMMITTEE CHAIR
Chris Dooley

SYMPOSIUM COMMITTEE CO-CHAIR
Edgar "Ted" Poe

CHAPTERS COMMITTEE CHAIR
Rachael Ryan

MEMBERSHIP COMMITTEE CHAIR
Steve Roberts

INFORMATION MANAGEMENT
COMMITTEE CHAIR
Vacant

NOMINATIONS COMMITTEE CHAIR
Allen "Al" Loving

JOURNAL AND EDITORIAL
COMMITTEE
Camille Bilger

CHAPTER PRESIDENTS

CHAPTER ONE -
SOUTHERN CALIFORNIA
Kirsten Larsen

GRAND CANYON CHAPTER
Bob LaFrance

DFW METRO CHAPTER
Lizanne Luchetti

EAST COAST CHAPTER
John Marcaccio

PACIFIC RIM CHAPTER
Dr. Robert Yonover

DOWN UNDER CHAPTER
Steve Madaras

ROCKET CITY CHAPTER
Dan Meadows

SAFE EUROPE - CHAIR
Sarah Day

MIDDLE EAST CHAPTER
Mohanad Alakal

WRIGHT BROTHERS CHAPTER
Mark Gruber

ELECTION TO THE 2021 BOARD OF DIRECTORS

By 2020 Nominations Committee

The SAFE Association was built, has thrived and been sustained by the dedication and volunteerism of our members. Stepping up, pitching in, and collaborating with other like-minded volunteers to carry out the Association's goals and objectives is the engine that continues to drive SAFE's success.

Each year a new Board comes together to build on the lessons learned and accomplishments of the Board that came before it.

The process for fielding Candidates for the Membership to consider and elect as Officers to the SAFE Association Board of Directors is an annual requirement under the Constitution and By Laws.

Nominations for elected board positions are due to the Nominations Committee not later than July 1, 2020. Our goal is to have a vetted and Board-approved slate of Nominees no later than Wednesday, July 15, 2020. This targeted end date would ensure adequate time for the preparation of the on-line ballot and voting process. The results will then be presented at the last Board meeting before the 2020 Symposium. The 2021 SAFE Association election is set to open on August 1, 2020 and end on September 1, 2020.

Candidates are sought for the following elected board positions:

- **President-Elect - Pre-requisite: Eligibility for nomination and election to the office of President-Elect shall require two years of continuous active membership in the Association and a minimum of one term as an elected or appointed member of the Board. The President-Elect shall ascend to the office of President upon the close of the 2021 SAFE Symposium. In the interim, the President-Elect shall be a member of the Board and performs such duties as delegated by the sitting President. Additionally, the President-Elect shall become familiar with the duties of the office of President. In the event both the President and Vice President are incapacitated or otherwise unable to act, the President-Elect shall perform the duties of the President during the period of such incapacity or inability to act.**
- **Vice President - No Pre-requisite. The Vice President shall be a member of the Board. The Vice President will become familiar with the activities and duties of the President and will act as the Chairperson of the Finance Committee. If the President is not available to officiate, the Vice President will act during the vacancy. In the event the President shall become permanently unable to perform the duties of the office, the Vice President shall become the acting President.**
- **Secretary - No Pre-requisite. The Secretary shall assist the Association Administrator or other Board member as directed in accordance with the procedures established by the Constitution and Bylaws, and shall assure the written record of the association is maintained and available to the members.**
- **Treasurer - No Pre-requisite. The Treasurer shall oversee the Association's financial records in accordance with the procedures established by the Constitution and Bylaws, and shall assure the issuance of at least one financial statement annually.**

To be approved, each Candidate must be a current member in good standing to run for office.

We encourage you to consider volunteering your talents to be a Candidate by stepping up and pitching in with your creative, thoughtful and collaborative energies. Your participation clearly helps further the viability of the SAFE Association in its role of supporting, protecting and saving the lives of those who intentionally go out into harm's way.

SAFE members who have any interest in pursuing an elected office, questions regarding the nominations process, or any other matter pertaining to the elections, please contact the SAFE Administrator, Stacy Stuber, at admin@safefoundation.com, a current Board member, or one of the following Nominations Committee members:

Al Loving-Chairperson

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

Joe Spinosa-Committee Member

Email: jspinosa@eastwestindustries.com
Mobile: (516) 768-1577

The Nominations Committee thanks you in advance.

2020 SAFE ASSOCIATION AWARDS PROGRAM – Call for Nominations

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

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

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

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

All nominations should be submitted by close of business, Friday, 24 July, 2020.

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

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

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

The Award categories are:

MICHAEL R. GROST CAREER ACHIEVEMENT AWARD, recognizes the career of a deserving individual for their significant contributions to the field of safety or survival.

GENERAL SPRUANCE INDIVIDUAL ACHIEVEMENT AWARD, honors an individual who has made a recent outstanding contribution in the safety field through leadership toward or significant 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.

We encourage you to reflect upon a person or team whom is deserving of recognition by the industry we serve. Take the time now to write up a nomination and submit it to SAFE as soon as possible but no later than **Friday, 24 July 2020**. Go to <https://safeassociation.com/>, click on the AWARDS tab and access the nomination form. Complete the form and submit it either through the website, via fax, or mail to the SAFE Association. Specific criteria for each award can be found on our website.

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

Recognizing our deserving colleagues is an important way for us to acknowledge their career achievements and set the bar for our younger colleagues. **Again, the deadline for submissions is close of business on Friday, 24 July 2020.**

For other questions please email the SAFE Administrator at admin@safeassociation.com or call (541) 895-3012.

SAFE ASSOCIATION AWARDS COMMITTEE



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 2020

2020 CALL FOR PAPERS
58th ANNUAL SAFE SYMPOSIUM
OCTOBER 27 - 29, 2020
VIRGINIA BEACH CONVENTION CENTER
VIRGINIA BEACH, VIRGINIA

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, 2020

SUBMISSION GUIDELINES

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

Submit a 300-word abstract (electronically in MS Word format) 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.

Starting 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. Additional guidance will be provided regarding the new abstract submission process once the website abstract submission feature is officially launched in April.

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

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be presented, followed by a description of the program or product and how it is used to address the issue.

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

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

AUDIO-VISUAL PRESENTATIONS

Presenters are to bring their presentation, formatted in MS Power Point (wide-screen 16:9 is preferred), electronically saved on appropriate media (memory stick, CD, etc.) directly to their session at least **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

NEW INDIVIDUAL MEMBERS

Chris Dooley
Liberty Township, OH

Dan Warkander
Wright-Patterson Air Force Base, OH

UP-COMING MEETING

MEETING

SAFE Association 58th Annual Symposium

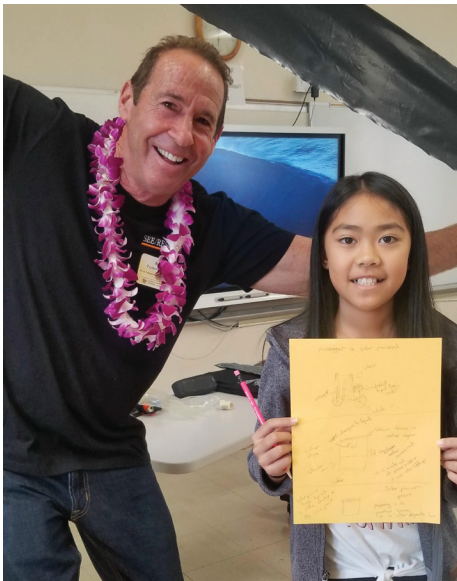
DATE

October 27 - 29, 2020

LOCATION

Virginia Beach Convention Center

Pacific Rim Chapter continues its Education Outreach in 2010

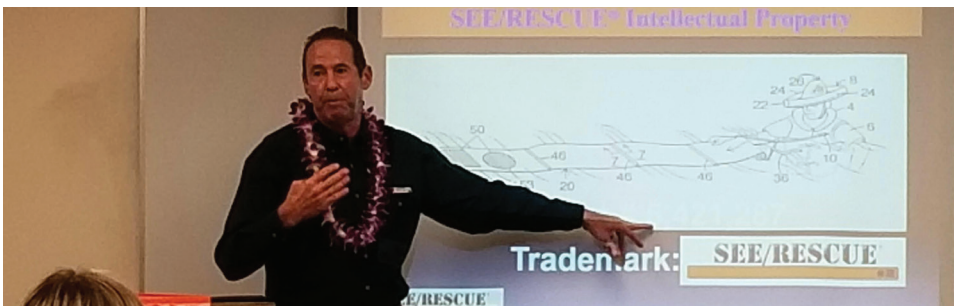


The Pacific Rim Chapter of the SAFE Association continued its longstanding mission of outreach education this Winter at the Sacred Hearts Academy “Girls in Science” STEM event in Honolulu and the Hogan Entrepreneur Program at Chaminade University in Honolulu.

At the Sacred Hearts Academy Dr. Robert Yonover presented the aspiring female STEM professionals (middle school ages) with an overview of Volcanology, Survival Technology, Military Life Support, and related topics. After the slide show presentation, the students were provided with an

Inventor’s Kit (Paper/Pencil) and were encouraged to solve a problem (invent a solution) that they encounter in their everyday life. The students then presented their inventions to the class where exciting discussions ensued.

The Hogan Entrepreneur event at Chaminade University included college undergraduate and graduate students that were treated to a wide swath presentation by Dr. Robert Yonover on the challenges of innovation and bringing a technology to market. The students were very engaged in the presentation and the question/answer period was extensive as the students peppered Dr. Yonover with a wide range of questions in a variety of fields. Perhaps as a sign of the future, the Hogan Entrepreneur class was also predominantly female!



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

UNITED STATES AIR FORCE AWARDS OTHER TRANSACTIONAL AUTHORITY (OTA) AGREEMENT TO GENTEX CORPORATION FOR NEXT GENERATION FIXED WING HELMET (NGFWH) SYSTEM

Carbondale, PA, February 26, 2020 - Gentex Corporation, a global leader in personal protection and situational awareness solutions for defense forces, aircrew, emergency responders, and industrial personnel, announced today that it was awarded an OTA Agreement by the United States Air Force for its NGFWH System, following a global-scale competition.

The United States Air Force challenged individuals and businesses from across the world to submit a NGFWH prototype, focusing on addressing shortfalls in previous helmet models, including stability, equipment compatibility, and mass properties. After being tested by USAF pilots and maintainers, the Gentex NGFWH System prototype, created by Gentex's international team of designers and engineers, was awarded an OTA Agreement for further development and testing.



The Gentex NGFWH System fully integrates the latest Gentex advancements and innovation in all facets of helmet system design and integration, including the helmet system itself, optics, hearing protection, communications and situational awareness, respiratory protection integration and helmet mounted device integration. The NGFWH System will provide a higher level of protection and operational capability for current and future Aircrew.

"We're honored to be awarded this contract," said Robert McCay, vice president of aircrew systems at Gentex Corporation, "It's a testament to Gentex's generations-long history of leading-edge technological advancement and innovation."

This research for this OTA was, in part, funded by the U.S. Government. The views and conclusions contained in this document are those of the authors and should not be interpreted as representing the official policies, either expressed or implied, of the U.S. Government.

About Gentex Corporation

Leveraging a history that spans over 125 years, Gentex Corporation is a leading provider of innovative solutions that enhance personal protection and situational awareness for global defense forces, emergency responders, and industrial personnel operating in high performance environments. The company's product portfolio includes helmet system platforms and capability upgrades for defense and security forces, sold under the Gentex, Ops-Core, ALPHA, Cromwell, and Argus brands; Aegisound hearing protection and communications products for military and industrial personnel; PureFlo industrial respiratory protection systems; Dual Mirror OEM aluminized fabrics; and Filtron OEM light management technology. Privately held, Gentex is headquartered in Carbondale, Pennsylvania, and supports its global customers through a worldwide distributor network and five other facilities in the U.S. and the U.K. Learn more at www.gentexcorp.com.

Media Contact

Alexandra Brax
Gentex Corporation
abrax@gentexcorp.com
+1.617.670.3547 x2440

FOR IMMEDIATE RELEASE:

Essex Industries Announces New Chief Financial Officer

Saint Louis, Missouri, February 2020 - Essex Industries is pleased to announce that Todd Waldman has been promoted to Chief Financial Officer. In this role, Todd will be responsible for leading the Accounting, IT and MIS departments.

Prior to joining Essex in 2016, Todd had ten years of experience with positions at Ernst & Young, Olin and GKN Aerospace. Todd is a Certified Public Accountant (CPA) and a Certified Internal Auditor (CIA) with an MBA from Indiana University, Kelley School of Business. He is a member of the third-generation within Essex as a family owned and operated company.

Essex Industries is a manufacturer focused on the aerospace and defense market, with product lines that include platform controls, aircraft components, liquid oxygen equipment, emergency breathing equipment and gas regulators. Essex employs 375 people at its six locations in St. Louis, Missouri and Huntington Beach, California.



Essex Industries Announces New Chief Financial Officer



Saint Louis, Missouri, February 2020 - Essex Industries is pleased to announce that Sebastien Artigny has joined the company as Business Segment Manager - Europe.

Most recently, Sebastien served as Aerospace Marketing and Sales Manager for Air Liquide Advanced Technologies. He holds a Master's Degree in Engineering from Polytech'Nice-Sophia.

Sebastien will be based out in Rives, France, and will focus on the Essex PBE and Emergency Breathing market in Europe. He will also be involved with Essex Medical Liquid Oxygen systems for European Air EMS applications.

Essex Industries is a family-owned and operated manufacturer focused on the aerospace and defense market, with product lines that include platform controls, aircraft components, liquid oxygen equipment, emergency breathing equipment and gas regulators. Essex employs 375 people at its six locations in St. Louis, Missouri and Huntington Beach, California.

For more information on Essex, visit www.essexindustries.com

For More Information Contact:

Tina Masters
Essex Industries, Inc.
314.832.4500 ext. 8753
tmasters@essexind.com

FOR IMMEDIATE RELEASE:

Essex Industries Announces New VP of Human Resources

Saint Louis, Missouri, September 2019 - Essex Industries is pleased to announce that Lisa Asbach has joined the organization as VP of Human Resources. Prior to her new role, Lisa served as Director, Human Resources—Corporate, Assembly & Talent Management at LMI Aerospace in St. Charles, Missouri. Her professional career also includes nine years at Monsanto Company in St. Louis.

Lisa received her bachelor's degree from the University of Wisconsin and has two master's degrees from the University of Maryland University College.

Essex Industries is a family-owned and operated manufacturer focused on the aerospace and defense market, with product lines that include platform controls, aircraft components, liquid oxygen equipment, emergency breathing equipment and gas regulators. Essex employs 375 people at its six locations in St. Louis, Missouri and Huntington Beach, California.

Essex Industries Names Evan Waldman New CEO

Saint Louis, Missouri - Essex Industries is pleased to announce that Evan Waldman has assumed the role of Chief Executive Officer effective January 1, 2019. A third-generation member of the company's founding Guller family, Mr. Waldman is just the third CEO in the company's 70-year history.

Evan Waldman joined Essex in 2004 as a Sales and Marketing Associate. He has served as Operations Manager for the Manufacturing Division, Director of Commercial Sales, Director of Strategy and most recently as Sr. Vice President of Business Development. Evan has a B.A. degree from Indiana University and an M.B.A. from Washington University.

Evan Waldman succeeds Keith Guller as CEO. Both Mr. Guller and Mickey Waldman, President, have retired from their leadership roles in the organization, but remain active as family members on the company's Board of Directors.

Essex Industries is a family-owned and operated manufacturer focused on the aerospace and defense market. Providing platform controls and aircraft components, Essex has been a part of virtually every major military and commercial aerospace program since the company began in 1947.

Other Essex product lines include liquid oxygen equipment, emergency breathing equipment and gas regulators. Essex employs over 300 people at its four locations in St. Louis, Missouri.



For more information on Essex, visit www.essexindustries.com

For More Information Contact:

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FOR IMMEDIATE RELEASE:

Capewell Announces the Acquisition of Rhine Air, Inc.

March 25, 2020 - Capewell Aerial Systems of Meadows of Dan, Virginia is pleased to announce the acquisition of Rhine Air, Inc of Santee, California. Rhine Air has been a global leader in the highly specialized area of aircraft fuel tank ventilation and respiratory protection equipment for over 40 years. The acquisition further expands Capewell's growing presence in the Aviation Ground Support Equipment category and complements existing Capewell product lines.

Rhine Air products are crucial for creating a safe and healthy work environment while focusing on reducing maintenance and turn times for both rotary and fixed wing aircraft. Aircraft fuel tanks must be purged, inspected and repaired at regular intervals and specialty equipment is required to protect workers from toxic fumes, fire hazard and explosions. Rhine Air offers a full line of products to fill this need for both military and civilian aircraft.

Capewell President and CEO, John Marcaccio states that, "Rhine Air was built on the belief that quality and safety go hand-in-hand, which aligns with the core values of Capewell: Quality you can bet your life on; Service that stands the test of time. We are proud to add their outstanding product line to our own."

All manufacturing operations will eventually be relocated from California to Capewell's Virginia headquarters. However, Rhine Air products are already available through Capewell. Contact Business Development Manager, John Bailey (717-603-2719) for more information or visit Rhine Air's dedicated website. www.rhineair.com.

ABOUT CAPEWELL

Capewell, headquartered in Meadows of Dan, Virginia with an additional facility in South Windsor, Connecticut, is a designer, manufacturer, and distributor of safety and tactical products for the defense, public safety, and law enforcement communities. Capewell's products and services include mission-critical components and systems, including life support & safety products, aerial delivery systems & parachute related equipment, timers & sensors, technical services and aftermarket repair/refurbishment. The company was founded in 1881 in Hartford Connecticut.

ABOUT RHINE AIR

Rhine Air, headquartered in Santee, California, manufactures and assembles compressed air and electric-driven respiratory protection and fuel tank ventilating systems that reduce maintenance turnaround times, create safer working environments, and increase operational readiness for the air support industry. The systems are sold to commercial and government end users in the domestic and international markets through a network of distributors.

Human Factors & Human Systems Integration is On-The-Move

At the end of March 2020, the Human Factors and Ergonomics Society (HFES) Government Relations Committee met to discuss developments within the DoD and how HFES might influence them in the future. The four recommendations of most interest for the near future were:

- Implementation of a requirement to comply with existing HSI Standards & processes on relevant DoD programs
- Instantiation of SES-level leads for HFE/HSI in all DoD services
- Implementation of Human Readiness Level (HRL) by the services
- Hiring of HSI practitioners by program offices to implement/oversee #1 in DOD programs.

If anyone is interested in contributing to any of the above four areas, please contact Steve Merriman at: scmerriman@tx.rr.com or 214-533-9052.

From Jerry Reid, Vice-President, SAFE Board

As I write this article, the United States ... the entire World ... is dealing with the strategic threat of COVID-19. With over 11,000 lives lost to date ... countless more to follow ... life for everyone will be forever changed.

As seasoned Life Support professionals ... we are in the business of Saving Lives and, as such, our SAFE member companies and individuals are doing our very best to support those who need our Life Saving technologies and expertise the most. Whether you're on the frontlines or supporting those directly in harm's way ... it will take all of us to get through this event ... and get through it we will.

As life support professionals, we knew an event like this was coming and now it is up to us to keep a positive outlook during this crisis. Unlike events that this country has dealt with in the past which impacted smaller groups of people, COVID-19 will impact us all and in some way ... our lives are different now. What hasn't changed, is that we are all in this together. Individual decisions can impact us all.

Stay informed ... and stay prepared.

We must support and follow our country's leadership

Thank you fellow SAFE members And the medical professional, caregivers, grocery store workers, truck drivers, pharmacist and countless others who's hard work and sacrifice are for our collective benefit.

A common phrase today is that this is our "New Normal" ... I hope you will join me in changing that to our "Temporary New Normal" ... keeping a positive outlook, working together, our "Normal" will return and when it does, we will be better together. Always the optimist ... I will see you in Virginia Beach in October.

Be safe.

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

Miniature Impact Recorder Advances U.S. Air Force Pilot Safety

Seal beach (April 2020) - Diversified Technical Systems (DTS) is developing a miniature Dynamic Impact Recorder (DIR) for the United States Air Force under a Phase Two Small Business Incentive Research (SBIR) program to help improve pilot safety. This new DIR will be used to collect field data on the forces fighter pilots may experience during emergency ejection seat events.

Pilots, when forced to eject, are hit with a gravitational force 14-16 times greater than normal, putting them at serious risk of head and neck injuries, broken bones and spine damage. The data collected from this new technology will be used to develop next generation protective gear including restraints and seating.

"Many of the current generation DTS products owe a debt to the SBIRs we have been awarded over the years..." said Mike Beckage, co-founder and CTO of DTS.

Collecting field data without altering test dynamics can be challenging, especially when human subjects are involved. Positioning the sensors and data recorder as close as possible to the point of interest, without hindering or restricting typical movement, is the real challenge.

The Dynamic Impact Recorder will collect acceleration, force and angular velocity measurements that a pilot may experience during an emergency ejection. The DIR features a triaxial accelerometer, a triaxial angular rate sensor, and additional pressure and temperature sensors in a tiny rugged enclosure. With no sensor cables to route and its lower power components, the DIR will be so small it can be placed on the pilot and will likely be embedded in the helmet.

For more information visit www.dtsweb.com.



The miniature Dynamic Impact Recorder DTS is developing for the U.S. Air Force will measure forces that pilots may experience during an emergency ejection maneuver. The unit (shown as a prototype on the helmet) will collect data used to improve safety gear for USAF pilots.

SAFE By the Numbers..!

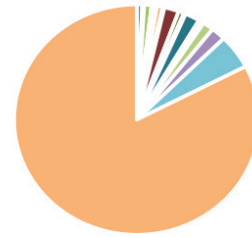
#413 the current number of SAFE members that come from 18 countries!

#60 the number of corporate members, from 6 countries:

50 corporate members come from the US,

10 originate from 5 countries – Finland, Germany, Israel, Japan & the UK.

SAFE Membership 2019/2020



#57 the 2019 annual symposium in Reno was one of the best attended in recent years – the annual symposium remains an important part of our Industry’s calendar:

244 SAFE members attended the symposium

387 non-SAFE members attended the symposium and co-located meetings. This number taken together with the low annual subs, bodes well to expand the membership in the future.

#10 representatives from all the SAFE chapters attended the 2019 symposium, including members of 3 new chapters DFW, Down Under and the Middle East.

#3 while we are all self-isolating at home, the SAFE committee plans to send out separate questionnaires to all its members and symposium attendees alike to get feedback to further improve the experience.

#1 Stay SAFE!

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!!