



SAFE News

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

SAFE Association – Our 61st Year

Volume 20 | Number 4 | Fall 2017

President's Message September 2017

The SAFE symposium is upon us and everything looks like it will be a memorable one. The symposium arrangements made by Chief Poe are outstanding and very beneficial to the exhibitors. It is still not too late to secure exhibit space, so please don't miss out! The Industry Day Part two for NAVAIR PMA-202 will provide a unique opportunity for the 40 early responders to the invitation to make presentations. The excellent full paper sessions organized by Glenn Paskoff are relevant to today's problems and will be educational for all. My special thanks to Glenn for performing the very difficult task of putting the technical sessions together in multiple years as well as trying to put together a journal again. The only disappointed people will be those that are conspicuously absent from the exhibit floor, the technical sessions, and the PMA-202 briefs.

If you are in the lifesaving business of SAFE you should be part of this symposium like never before. Sponsorship opportunities are still available and promise to be good advertising for participants. Make sure you enjoy the great Golf outing (Ebby Bryce organizing) or the 5k Run (Marcia Baldwin organizing) designed to bring our members closer in a fun atmosphere. The golf scramble format makes it fun without the pressure of beating your last score. Mulligans are on sale so do-overs make it more forgiving than what we are used to on the golf course. Participate in the fun, the more the merrier. See you in Orlando!

Dave DeSimone

President-Elect Message September 2017

It is hard to believe that summer is coming to an end and more importantly that the SAFE symposium is less than eight weeks away. When I think about SAFE and what we are all about I only need look at our "Goals and Objectives" below which I unequivocally believe speaks for every one of us that is in the "Lifesaving" business.

1. Stimulate the advancement of sciences and technologies to improve safety devices, life support systems, protective equipment, and human-machine interfaces
2. Provide a forum to promote new concepts and products, exchange technical information, and discuss special interest issues
3. Enable members to have greater opportunities for professional development, achievement, and recognition
SAFE's Goals & Objectives
4. Educate the public, industry, and government to improve human effectiveness and safety in systems design and operations
5. Increase the influence of the Association to implement its primary goals
6. Continuously improve the Association's value to its members and the community

Ensuring that we further hold true to our Goals and Objectives I am very excited to say that this year's symposium has a much different flair than those of the past. Additionally, I would personally like to thank Chief "Ted" Poe for his unwavering tenacity and dedication in ensuring that the 2017 SAFE symposium is a successful one. The layout of the exhibition hall along with the location of the meeting rooms for the technical sessions allows attendees to interact with exhibitors at their booths prior to, during breaks and upon completion of said sessions. Additionally, we will be holding a Luncheon, both our Awards Ceremony and General Membership meeting along with end of the day "Cash" bar receptions from 1600 to 1800. These events that Ted crafted are designed to allow our attendees and industry the opportunity to have maximum quality face-to-face time throughout the symposium.

(Continued on page 3)

2017 SAFE ASSOCIATION – BOARD OF DIRECTORS

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<https://www.facebook.com/pages/SAFE-Association/182879935059392>

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 **“Manage Your Profile”** at the top, left. Please review your personal information and, if anything needs to be changed, click on **“Update Your Profile”** at the top or **“Make Changes”** at the bottom. When you are done updating, just click **“Save Profile”**. Thank you!! Your efforts are much appreciated!!

(Continued from page 1)

We still have several “sponsorship” opportunities available for our industry partners. What better way to talk about your company and products than through one of these sponsorships. If you are interested in committing to a sponsorship please contact Stacy Stuber and she can provide you with all the details.

Lastly and most importantly enjoy yourself in Orlando. Whether you decide on a game of golf or want to participate in the 5K run both afford each of us an opportunity to socialize with our fellow SAFE members in a casual and fun environment. I look forward to seeing all of you in Orlando!

Chris Motta

2017 SAFE Symposium Science and Technology Update

The 2017 SAFE Symposium Technical Program will consist of thirty-two sessions, over eighty presentations, addressing critical current topics within the field of aviation protection, safety and performance. The technical program is highly focused on oxygen and hypoxia as this is a topic of principal concern within the Department of Defense. Technical briefings will cover numerous subtopics including monitoring oxygen quality in the cockpit, detection of contaminants, sensors, and hypoxia training. There is also a strong emphasis this year on the biodynamics of crash and ejection, including discussions on testing and modeling applications. Other areas of aviation performance are noise and hearing protection, vision systems, aircrew life support systems, training, CAD/PAD, and clothing. In addition, there will be three Question & Answer panels: one on Aircrew Life Support Equipment, one on Search & Rescue, and one on Day/Night Technologies.

Furthermore, to complement the many technical sessions there will be several keynote addresses and featured presentations, including acquisition roadmaps within the U.S. Air Force and Navy Program Offices.

Glenn Paskoff

Update: SAE International Human Systems Integration (HSI) Best Practice Standard

At the request of the DoD, SAE International undertook development of an HSI standard for use on system acquisition programs. The effort began in the Spring of 2016. Nearly 100 government, industry and academia professionals have contributed to its development. A complete standard has now been drafted and reviewed by the entire G-45 HSI committee. It is now scheduled for review by a group of senior HSI practitioners; following update of the standard to address comments, the committee will begin its formal review process. The original goal of releasing this new standard for use at the end of 2018 is still realistic. Further information on the standard may be obtained by contacting Steve Merriman at scmerriman@tx.rr.com.

Welcome NEW MEMBERS

New Individual Members

Peter Bossard
Michael Cusimano
Todd Dart
Huanwen Guan

Ivyland, PA
Manorville, NY
San Antonio, TX
Xi'an, China

Josh Minton
Hiroshi Muramatsu
Thomas Pavlik
Benjamin Schumacher
Jeff Warren

Meadow of Dan, VA
Tokyo, Japan
Haymarket, VA
Silver Spring, MD
Dothan, AL

New Corporate Members

ADS, Inc

Virginia Beach, VA

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

Symposium

As I write this note, we are at T minus 60 days and counting before the 55th Symposium and everyone starts arriving for this year's event. On Behalf of all of us on this year's committee, we very much look forward to seeing you in Orlando and we have several changes this year that hopefully will meet with your approval. As of the 31st of Aug, we have seen an increase in exhibitors as well as interest in becoming corporate members to our great organization. The word is getting out that the Symposium is the place to be...

What can you expect this year in Orlando!

- This year we have confirmation from the new leadership team at Wright Patterson AFB who handle the Acquisitions and Sustainment for the USAF as well as PMA-202 (Aircrew Systems) and AIR-4.6 (Human Systems Department) leadership teams within the US Navy will be at the symposium. We greatly appreciate their continued support.
- 2017 SAFE Awards Ceremony will be held on Monday, October 30 at 10:00 A.M.
- The 2017 SAFE Awardee Lunch - Complimentary for all attendees on Monday, October 30, at Noon to 1:00 P.M. in the exhibit hall.
- Monday and Tuesday End-of-Day Receptions will take place in the Exhibit Hall between 5:00 P.M. - 6:00 P.M. Beverages will be available for purchase.
- The General Membership meeting will be held between 1:00 P.M. and 1:30 P.M. in the Main Exhibit Hall.
- There will be numerous touch screen monitors around the venue providing updated information and scheduling changes as well as outside the Paper/Briefing areas.
- With Halloween being the Tuesday, a scavenger hunt will take place during the afternoon and evening. Prizes will be given on Wednesday at the end of the lunch period in the Exhibit hall for Most items located, and for those that wish to dress up for the event...Best costume award and worst will be given.
- "Inform the Navy Aircrew Systems" Part 2 event will be conducted starting at 1:00 P.M. on Wednesday 1 November and continue until the end of the business day on Thursday 2 November 2017. The purpose of this event is to provide industry 15 minutes of briefing time with 5 minutes of questions per briefing slot to discuss your companies approach and ability to help PMA-202 (Aircrew Systems) and AIR-4.6 (Human Systems Department) meet their needs as outlined in the June 2017 "Get to Know Navy Aircrew Systems" Day.
- In and around the venue you will see areas where you can use your smartphone and provide us real time data and feedback to what is going on in all the areas...what you like, what you do not like, and what you would like to see differently.
- 80 plus papers have been chosen in a variety of subject that hope will bring awareness as well as a good amount of discussion within our group.
- Need a meeting room or a location to conduct more private business discussions...just ask. We have four rooms set aside for up to 40 individuals to meet in private. Scheduling will take place by seeing myself or one of our teams in the registration area.

The Golf Course is ready, the Running path is set, the exhibit hall is filling, the papers are set and Industry day briefing schedule is starting to fill. The 55th SAFE Association Symposium is now waiting for you....See you in Orlando!

Ted Poe

UP-COMING MEETINGS

MEETING

55th ANNUAL SAFE Symposium

DATE

October 30 - November 1, 2017

LOCATION

Caribe Royale Hotel and Convention Center, Orlando, Florida

Gentex Awarded \$13M U.S. Army Contract for Apache Aviator Integrated Helmet

Direct contract enables better pricing, and streamlined engineering and integration support

Simpson, PA, July 24, 2017. Gentex Corporation, a global leader in personal protection and situational awareness solutions for defense forces, emergency responders, and industrial personnel has been awarded a \$13,443,811 firm-fixed-price contract by the U.S. Army for the delivery of Apache Aviator Integrated Helmets (AAIH).

Worn by Apache helicopter crews, the AAIH is an integrated helmet, display, and sight system with improved safety features and comfort that provides situational awareness and targeting information. The integrated helmet is a key component of the next generation Apache helicopter, the AH-64E, which will be flown by over 15 countries.

Prior to the competitive win, Gentex had been supplying the helmet to the Army as a subcontractor under a prior agreement. "We're proud to have been chosen to continue producing this next generation aviator helmet for the Army," said Robert McCay, vice president aircrew systems, Gentex Corporation. "Providing the helmet to the Army directly allows for better pricing, and streamlined engineering and integration support."

The AAIH is based on the highly successful Gentex HGU-56/P Rotary Wing Helmet System, which Gentex has been supplying to the U.S. DoD since 1993. Work for the AAIH contract will be conducted at Gentex's large capacity manufacturing facility in Simpson, Pennsylvania, and is expected to be complete by June, 2022.

About Gentex Corporation

Leveraging a history that spans over 100 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 aluminized fabrics; and Filtron light management technology. Privately held, Gentex is headquartered in Simpson, 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.

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89th AsMA Annual Scientific Meeting: “Synergy: The Power of Multidisciplinary Problem Solving”

Hilton Anatole Hotel, Dallas, TX, USA
May 6 - 10, 2018



Call for Abstracts

Deadline: November 1, 2017
No Exceptions!

The Aerospace Medical Association's 2018 Annual Scientific Meeting will be held in Dallas, TX, USA. This year's theme is **“Synergy: The Power of Multidisciplinary Problem Solving.”**

The 89th Annual Scientific Meeting welcomes abstracts in the many areas related to Aerospace Medicine including Clinical and Operational Aerospace Medicine; Human Performance; Travel and Transport Medicine; Safety and Survivability; Space Medicine; and Other Topics. For a complete list see the box on p. 2 of this form.

In “Synergy: The Power of Multidisciplinary Problem Solving,” our objective is to highlight the diverse nature of aerospace medicine and human performance. Issues associated with living and working in the aerospace environment are unique, and solutions rarely come from a single discipline. Only when we harness the collective power of thought and innovation from medicine, engineering, physiology, psychology, and social sciences do we obtain robust, sustainable solutions that protect and enhance human performance. As such, we encourage contributions from individuals and groups new to aerospace medicine who may realize that issues and their solutions addressed in support of space or military operations can be successfully leveraged for civilian and commercial applications. We invite everyone engaged in innovative and multidisciplinary research to consider the advantages of bringing the results of their work to a scientific meeting where they have the chance to interact with hundreds of aerospace specialists with a fresh perspective.

The Annual Scientific Meeting is the premier international forum to learn and discuss evolving trends and multidisciplinary best practices in research, clinical applications, human performance, and flight safety.

ASMA ABSTRACT SUBMISSION PROCESS

All abstracts must be submitted via the electronic submission system linked to the association's web site: <https://www.asma.org>.
(LIMIT: 350 words/2500 characters including spaces)

ATTENTION: You **MUST** use personal email addresses when entering your abstracts and those of your co-authors.

Abstract Templates, Examples, and Panel Guidance

The Scientific Program Committee has developed the following guidelines for abstracts and panels. Abstracts will fall under two categories: (1) Original Research and (2) Education. The Education category is further subdivided into (a) Program / Process Review, (b) Education / Tutorial, and (c) Case Study: Clinical or Human Performance.

Templates and examples (previously published in the AsMA journal) are provided for each type and will be available at the abstract submission website. These detail section headings, e.g., Introduction, Methods, etc., and the specific type of information that should be included under each heading. How well authors abide by these guidelines will be one of the criteria used to determine acceptance of abstracts.

In the submission website, authors will have a single field to enter their abstract. Authors will be asked to include the sections

headings listed for each abstract type.

I. Four types of submissions

- Slide (includes 3 MOC questions)
- Poster (includes 3 MOC questions)
- Panel (includes 3 MOC questions; linked to panel overview)
- Workshop (includes 3 MOC questions per hour)

II. Two categories

- Original Research
- Education
 - Program / Process Review
 - Education / Tutorial
 - Case Study: Clinical or Human Performance

Panel Guidance

Panels must contain well-coordinated abstracts and allow time for structured discussion. To address this, the following guidelines have been instituted:

- Panels must be structured using the Original Research or Education categories provided for individual abstracts.

- Panels must be composed of a coordinated sequence of abstracts (at least 4 but no more than 5) that follow a theme and flow logically from one to another supporting the central theme. See the template below.

- It is the responsibility of the Panel Chairs to ensure that the abstract authors include in the opening section (e.g., INTRODUCTION) or closing sections (e.g., DISCUSSION) how the abstract relates to the Panel theme.

- Unrelated abstracts from a laboratory or organization do not constitute a Panel. [If the Panel theme is not clearly identified and/or the abstracts do not support a central theme, the individual abstracts may be unbundled and evaluated as separate slide or poster abstracts.]

- Panels will be structured to include time for a focused moderated discussion by the Chairs. Panel Chairs will be asked to prepare questions prior to the Scientific Meeting to facilitate a discussion with the audience. Individual presentations within Panels should be timed to allow for at least a 15 minute moderated discussion.

- During the Meeting, each Panel speaker should cite or link directly to the panel theme in their introduction and discussion and at the end of their talk should provide segues to the next abstract in the panel.

Sunday Workshops

Rules for workshops and the review process are similar to those for Panels (above). Overview abstracts should reflect the material to be presented in this long format for up to 8 hours of CME credit. Three MOC questions per hour of presentation will be required. Individual abstracts must be entered for each presenter and all necessary information must be entered in the same manner as all other abstracts, including conflict of interest statements. Course materials should be made available for registrants. A separate fee is charged for Workshops registration. For additional information contact Jeff Sventek, Executive Director, at jsventek@asma.org.

SUBMITTING YOUR ABSTRACT

Click on the link to the abstract submission site--available on the AsMA home page and Meetings page on or about August 1, 2017. Authors with questions regarding the abstract submission process should contact AsMA directly at (703) 739-2240, x101 (Ms. Pam Day); or e-mail pday@asma.org.

Please note: The following information is required during the submission process: Abstract title, presenting author information (including complete mailing and e-mail addresses), topic area (from list provided on back of form), contributing authors and their e-mails and institutions, abstract (**LIMIT: 350 words/2500 characters including spaces**) and learning objectives (the Accreditation Council for Continuing Medical Education-ACCME requires a brief sentence on the speaker's learning objectives for the audience). In addition, three (3) multiple choice questions and answers will be required for each presentation for Maintenance of Certification (MOC). Read instructions online for further details.

Financial Disclosure/Conflict of Interest/Ethics

Abstracts will not be accepted without a financial disclosure/conflict of interest form. The form is included in the website submission process. The presenting author must agree to comply. Scientific presentations at AsMA-sponsored events will adhere to the highest standards of scientific ethics, including appropriate acknowledgment or reference to scientific and/or financial sources. Presenters must avoid the endorsement of commercial products in their abstracts and during their presentations. There must be no advertisements on Posters, AV, or handout materials.

Presentation Retention Policy

AsMA will use live capture to make presentations from the Meeting available to members / attendees after the meeting. Authors are required to provide permission for live capture and a nonexclusive license to repurpose the content. An electronic copy of the presentation suitable for release at the time of the presentation must be provided. Details will be provided in the abstract submission process.

Permissions and Clearances

It is the author's responsibility to obtain all necessary permissions and clearances prior to submission of the abstract. AsMA assumes no liability or responsibility for the publication of any submitted material.

PRESENTATIONS

Slide and Panel presentations will be organized by topic area and presented during 90-minute blocks of time. Individual slide (PowerPoint) presentations are limited to 15 min (including 5 min for Q&A).

Posters: The visibility and impact of Poster sessions will be elevated for 2018. We are asking poster presenters to have their posters on display for two full conference days, each in its assigned space (4 x 8 ft boards). Authors will be asked to present their poster for a single designated 120-min period on one of these days. We will also be collecting the pdf files of posters in advance of the meeting.

Please note: While the Scientific Program Committee strives to honor the presenter's desired presentation format, for reasons such as space limitations or dissimilar content, an abstract may be changed to an alternative presentation format. Assignment of an abstract to either a poster or a slide presentation will be recommended by the Scientific Program Committee, but the final decision will be made by the Program Chair.

Acceptance Process

Abstracts will be reviewed by a minimum of three members of the AsMA Scientific Program Committee. Acceptance will be based on the abstract's originality, relevance, scientific quality, and adherence to the guidelines provided. Criteria for rejection include, but are not limited to, insufficient, inconsistent, or ambiguous data (NOTE: It is insufficient to state, "Results will be discussed"); commercialism; or reviews of previously published literature. Presenters are limited to one senior-authored presentation without prior permission of the Scientific Program Committee Chair, Barry S. Shender, Ph.D., at: sciprogram@asma.org. Following review by the Scientific Program Committee in November, all contributors will receive a notification of acceptance or rejection by e-mail. Accepted abstracts will be published in *Aerospace Medicine and Human Performance*.

Abstract Withdrawal

Withdrawing abstracts is strongly discouraged. However, if necessary, a request to withdraw an abstract should be sent to: Barry S. Shender, Ph.D., the Scientific Program Chair, at sciprogram@asma.org; and Pam Day at pday@asma.org. The request for withdrawal must include the abstract title, authors, ID number, and reason for withdrawal. Due to publishing deadlines, withdrawal notification should be received by January 15, 2017. As abstracts are published in *Aerospace Medicine and Human Performance* prior to the scientific meeting, a list of abstracts withdrawn or not presented will be printed in the journal following the annual meeting.

PLEASE NOTE: Presenters (including panelists) are required to register for the meeting. There is a discounted fee for nonmember presenters. Registration limited to the day of presentation will be available onsite.

- TOPIC AREAS:** (These will be listed on a drop-down menu on the submission site. They are used to organize the abstracts into sessions.)
- 1: Human Performance**
 - 1.1 Aerospace Physiology
 - 1.2 Exercise Physiology
 - 1.3 Hyperbaric Physiology
 - 1.4 Environmental Physiology (incl. High Altitude & Extreme Temperature)
 - 1.5 Acceleration / Vibration/ Impact
 - 1.6 Fatigue
 - 1.7 Neurophysiology & Sensory (inc. Vision & Vestibular)
 - 1.8 Aerospace Human Factors
 - 1.9 Aerospace Human Systems Integration
 - 1.10 Aerospace Psychology
 - 2: Clinical Medicine**
 - 2.1 Aviation Medicine (Aerospace Medicine)
 - 2.2 Health Promotion and Wellness Programs
 - 2.3 Medical Standards / Aircrew Health
 - 2.4 Occupational / Environmental Medicine
 - 2.5 Operational Medicine
 - 2.6 Hyperbaric Medicine
 - 3: Travel and Transport Medicine**
 - 3.1 Travel Medicine
 - 3.2 Aeromedical Transport / Air Evacuation
 - 3.3 Air Transport Medicine
 - 3.4 Commercial
 - 4: Space Medicine**
 - 4.1 Space Medicine (Aerospace Medicine)
 - 4.2 Space Operations
 - 5: Safety and Survivability**
 - 5.1. Escape / Survival
 - 5.2. Flight Safety/Accident Investigation
 - 6: Other**
 - 6.1 History of Aerospace Medicine
 - 6.2 Other Related Topics

Follow the link to the abstract submission site on our home page: <https://www.asma.org>
Site opens August 1 and closes November 1, 2017 (NO EXCEPTIONS!!!!!!)

FOR IMMEDIATE RELEASE:

Essex Industries Marks 70 Years in Business

Saint Louis, Missouri – Essex Industries began as a family affair 70 years ago in Saint Louis. Returning home from his service in World War II, Harold Guller recognized a business opportunity in jet aircraft—a new mode of transportation back in 1947. In his father’s basement, he developed and sold a Radio Noise Filter for the F-214. Harold’s brother Sidney did accounting for the business while earning his degree and then he joined the company.

That first product laid the foundation for the company’s future. Decades later, Essex offers a wide variety of Platform Controls, including hands-on throttle and stick (HOTAS) grips, control wheels and weapons system officer (WSO) hand controllers for fixed-wing, rotary and land combat vehicles. The company manufactures thousands of Aircraft Components to meet demanding applications, such as hydraulic, pneumatic, fuel and anti-gravity valves, hydraulic pulsation dampeners and flame arrestors. This expertise has made Essex a part of virtually every major military and commercial aerospace program since 1947.

Essex entered the cryogenics market in 1963, with designs and the capability to manufacture liquid oxygen (LOX) converters, a highly efficient method of oxygen storage and delivery. Originally used by aircraft pilots and crew, this technology has readily transferred to air and ground-based medical life support equipment. Essex has provided over 100,000 new LOX systems for military and commercial applications, ranging from a 5 Liter Converter to the new 500 Gallon LOX Trailer.

In 1991, Essex acquired the Portable Breathing and Rescue Products Division from The DuPont® Corporation, which enhanced the company’s offering of Emergency Breathing Equipment. Thousands of units are in service worldwide, with Essex smokehoods standard equipment for the United States Air Force, all major domestic airlines as well as many international commercial and military fleets.

Essex has also established a significant presence in the US healthcare market by supplying oxygen regulators for patients. Essex premium and integrated regulators are engineered to be safe, durable and easy to use in homecare, hospital, clinic and emergency response applications. High quality standards have made Essex regulators a preferred product for major OEMs and gas companies throughout the world.

Today, seventy years after it was founded, Essex remains family owned and operated. Sidney Guller is still active in the company as Chairman of the Board. Second generation Keith Guller serves as CEO and Mickey Waldman is President. Five members of the third generation are also currently engaged in the business.

The company’s commitment and leadership extends outward to the Saint Louis community. The Guller Foundation, the charitable arm of Essex Industries, contributes to scholarships at the Olin Business School, research at Barnes Jewish Hospital and many other worthwhile causes. Members of the executive team are active in organizations that include the National Kidney Foundation, ALS Association, Boys Scouts of America, National Defense Industry Association (NDIA) and Association of the United States Army (AUSA).

Today, Essex employs over 250 people in Saint Louis, serving local, national and international customers, both military and commercial.

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

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From left: Keith Guller, CEO; Sidney Guller, Chairman of the Board; Mickey Waldman, President. -Background photo: Harold Guller.