

MARCH 2018

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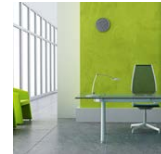
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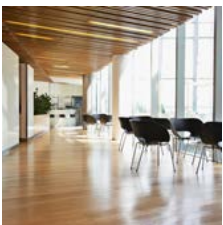
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President's Message

I would like to thank everyone who was able to participate in the SRS tour and I hope everyone enjoyed it. Please don't hesitate to send me any feedback.

We need as many members as possible to attend the March meeting so we can vote on the ASSE bylaw changes previously sent via email to everyone. I am looking forward to Alex Brown's Silica presentation and Brad Giles state of ASSE discussion at our meeting.

March 13, 2018 Meeting: Silica & ASSE Update



This month we have the opportunity to hear from two speakers:

Alex Brown is a local Certified Industrial Hygienist with 10 years of experience spanning academia, construction and demolition, production, healthcare, and government work environments. He is a founding partner of the IH consulting firm [SHEPRDehs](#) and also works on the liquid waste contract at the Savannah River Site. He is serving as our local ASSE Treasurer, and has started writing the IH Corner excerpt for our monthly newsletter. This month he'll be sharing implementation tips, exposure control successes (and failures), and lessons learned complying with OSHA's new [Crystalline Silica Standard](#).

Brad Giles, P.E., CSP, STS, GIOSH, Principal of Bradley Giles & Associates providing experienced safety counsel to industry with 40 plus years' management experience in the environmental, safety, health and security disciplines. His tenure spans Consolidation Coal and Morrison Knudsen with successive companies Washington Group, URS and AECOM. As executive leader, he provided functional management for over 2,500 professionals across six continents. Industries included: engineering, mining, construction, petrochemical, DOE & DOD and management & operations. He holds Bachelors and Masters of Science degrees from Southern Illinois University.

Brad is a professional member of the Snake River Chapter. He is currently Director at Large on the ASSE Board of Directors. He participates and sponsors WISE and Young Professionals common interest groups. He is leading a committee with the Military Branch bringing Veterans into the profession. Brad belongs to Construction, Management and Utilities practice specialties. He served on Nominations & Elections, Governance and Student Task Force committees. He was an ASSE Foundation (ASSEF) Trustee and remains a

Champion. Brad is Past President and was a Director for the Board of Certified Safety Professionals (BCSP), currently functioning as an Ambassador and member of their Judiciary committee. He served the National Construction Safety Executives as Chairman.

Brad was named Fellow by ASSE, awarded the President's Award twice for work with the Future Safety Leaders Conference & Young Professionals, Safety Professional of the Year for Construction and ASSEF Distinguished Service Award. BCSP recently recognized Brad with the Life Time Achievement and CSP Award of Excellence.

Dinner Meeting—5:30 PM
Tuesday, March 13, 2018
Industrial Rubber and Supply
3326 Mike Padgett Hwy, Augusta, GA
\$7.50 Members \$10.00 NonMembers

MANDATORY RSVP at the website www.asseaugusta.org
or call the ASSE Voicemail at 706-790-6551 x2773 (ASSE)

Take Bobby Jones Expressway (I-520) to exit 9 (Mike Padgett Highway). Turn towards downtown. Industrial Rubber and Supply is the first building on your right.

IH Corner: Implementing Chemical Sensors



Chemical sensors are one of the fastest growing pieces of technology in the Environmental, Safety and Health arsenal, and typically industry is adopting new sensors early in their development, before they are picked up by academic or regulatory agencies. To adopt a new chemical monitor, there are some standard questions to ask, especially as lines between worker health, process management, and “consumer curiosity” are blurred:

A first question to consider: **What is the mixture?** Even just measuring one target gas, work environments are complex places. Seriously consider the potential of other contaminants in the work environment. Aside from cross-sensitivities, poisons are chemicals that reduce the effectiveness of a sensor over time. Their effects can do permanent sensor damage or worse – if the chemical reaction is temporarily blocked or slowed, the sensor might under-perform when needed but still pass pre and post-use tests.

The second question is **who has bought in?** Modern safety and health professionals have to distinguish between “consumer” and industrial grade technology. Unfamiliar standards in product literature should be checked online. UL 2075 is an example of relevant guidelines for personal gas sensors from the health and safety perspective, whereas ISO/IEEE 11073 conformance describes the formatting of the output information for a device. The standard title and Wikipedia can be all that are needed for an easy sanity check.

Does the system require oxygen? Many sensing applications use a catalytic sensor to monitor explosive gasses, and are cautioned that their performance can suffer when O₂ dips below 8-10%. When the target gas is undergoing a reduction reaction, such as can be used to detect O₃, and Cl₂, the sensor generally carries everything it needs between its membranes – water. Other sensors that monitor gasses such as CO, H₂, & H₂S consume Oxygen at the cathode (generally rebuilding water molecules), and will not function properly or last as long in low oxygen environments. While these questions might be dismissed, (The area is already IDLH!), an accessible output via Bluetooth or on your network increases the chances that ESH tools will be expected to also answer process-related questions or that process monitoring systems may be called on to perform ESH functions. It is critical to recognize when data can be trusted.

Are temperature or humidity a factor? While humidity and temperature do effect the reactions that drive chemical sensors, instruments can be designed to compensate in a wide variety of conditions. The key is to consider the extremes and the changes. Start thinking about extreme temperature around and below freezing and over 100F. Consider extreme relative humidity <5% and >90%. The “changes” are important because most air sensing technology is deigned to work in “non-condensing” environments. If air is transitioning from hot to cold or from dry to moist, and it’s more than an incidental occurrence (overall characteristic of the work station), that’s when to ask about impacts.

Not every impact is critical. Reduced sensor life might be unavoidable - but being surprised by a disabling malfunction will cause major problems!

OSHA Spotlight

Georgia Manufacturer Issued \$256,088 in Proposed Penalties for Jeopardizing Worker Safety



OSHA cited First Source Worldwide, LLC, for failing to: provide fall protection, personal protective equipment, and machine guarding; develop a permit-required confined space program; control hazardous energy during equipment maintenance activities; and train forklift operators. The company faces proposed penalties totaling \$256,088. Read the [news release](#) for more information.



Join the National Safety Stand-Down To Prevent Falls in Construction

May 7-11, 2018

Fatalities caused by falls from elevation continue to be a leading cause of death for construction employees, accounting for 370 of the 991 construction fatalities recorded in 2016 (BLS data). **Those deaths were preventable.** The National Safety Stand-Down raises fall hazard awareness across the country in an effort to stop fall fatalities and injuries.

<https://www.osha.gov/StopFallsStandDown/>

If you would like to share information with SC OSHA on your Safety Stand-Down, Fall Prevention Programs or suggestions on how we can improve future initiatives like this, please send your email to Harvey.Jessup@llr.sc.gov. Also share your Stand-Down story on social media, with the hashtag: #StandDown4Safety.

Safety Leadership

In this section we are going to begin to share insights into safety leadership. The following insight is from “*Insights into Safety Leadership*” by Thomas R. Krause and Kristen J. Bell.

The first insight is: **Safety Performance Leads Business Performance**

Krause states that “The first insight is about the relationship between safety and organizational performance. When a senior leader understands how safety and organizational performance are connected and why they are connected, it will affect the way they think about their strategy and vision for the organization.”

When you understand this insight you will start to see opportunities to improve rather than problems to address.

What does this mean to you and your organization?

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Future Meetings

March 13, 2018 **Alex Brown – Silica**
Brad Giles – ASSE Update

April 10, 2018 No Meeting

May 8, 2018 Panel Discussion (7 Insights to Safety Leadership) & Elections

Call for Speakers

We are seeking nominations, referrals, ideas, suggestions, recommendations, proposals, hints, etc. for speakers or topics for upcoming ASSE Meetings.

Please contact any of the Chapter Officers with your thoughts.

Newsletter

If you are not receiving the newsletter from Chrissi.m.park@kcc.com, please email me to be included on the distribution list.

Membership

Ready to join? You can apply online:

[http://www.asse.org/membership/become amember.php](http://www.asse.org/membership/become%20amember.php)

Job Search Resources

<http://jobs.asse.org/>

<http://jobs.bcsp.org/>

<http://www.ehscareers.com>

Quote & Picture of the Month



If you fall, I'll be there
- floor

Upcoming Volunteer Opportunities



Masters Table
March 31, 2018
8:30 – 10:30 AM

We need at least 5 or 6 people to Volunteer. Volunteers should be at least 18 years old.
If interested in volunteering please contact a chapter officer.

Volunteer Opportunities in our Community

(These are not Chapter Sponsored, contact the organization directly if you are interested in volunteering)

Volunteering is a great opportunity for the whole family: <https://csrakids.com/7-places-volunteer-kids-csra>

BROAD STREET MINISTRY CENTER

This is a benevolence ministry that meets individual and family needs like; providing hot meals, coats and blankets, Thanksgiving and Christmas Dinner, wrapping and donating Christmas presents and running a food pantry.

Phone: 706-722-5999

Website: www.bsmcaugusta.org

RONALD MCDONALD HOUSE

This location accommodates families with critically injured and seriously ill children. They provide a place for them to sleep so families can focus on getting their children healthy at the local hospitals.

Phone: 706-724-5901

Website: www.rmhcaugusta.org

LYDIA PROJECT

Provide support for women coping with cancer. Women receive a one of a kind Lydia Tote, and notes of encouragement throughout a year. They also provide accommodations at the Lydia House for women seeking medical help in the CSRA free of charge.

Phone: 706-736-5767

Website: www.LydiaProject.org

WLJ ANGEL GOWNS

An organization who makes and provides free “Angel Gowns” for babies that have passed too soon. The gowns are made from donated wedding and formal gowns.

E-mail: wlj6216@outlook.com

Website: www.wljangelgowns.org