



The International System Safety Society

*Tennessee Valley Chapter*  
ALABAMA - MISSISSIPPI - TENNESSEE

<http://www.iss-s-tvc.org/>

## December 2015 Newsletter

### Tennessee Valley Chapter Officers

**President:** Christopher Trumble, 256-847-3247

**Vice President:** Open

**Treasurer:** Ronnie Sams, 256-842-1005

**Secretary:** Jason Rupert, 256-313-8650

**Immediate Past President:** Ken Rose, 256-645-1621,

**Special Events Coordinator:** Open

**Webmaster:** Don Swallom, 256-842-8641

### President's Corner

Unfortunately, a recent situation occurred which is forcing me to start the newsletter with some sad news. Mr. Steve Hosner has regrettably had to step down due to a family health issue. I sadly accepted his resignation and pray his family's challenge comes to a favorable resolution rapidly. Steve will attempt to attend meetings as time permits but will be, understandably unable to participate as actively in the chapter as he would like. As a result, the Chapter needs someone to step forward and volunteer to take the Vice President role. Please contact me or Jason Rupert if interested. The planning committee would greatly appreciate your assistance.



Dave Arterburn 18 November 2015 meeting

## **ISSS TVC November 2015 Newsletter (con't)**

The Chapter of the Year award has been residing at the APT Research facility. APT has many ISSS Members and has been an active supporter of the Chapter. I'm confident the Award will feel at home while it is gracing one of their walls. If your business would like to display the award at their facility just email a request and we will be happy to try to coordinate a period of time for you to display it.

While on the topics of awards and exceptional people, I have stated and still believe our chapter has many exceptional individuals who are truly deserving of recognition. Awards are often the only thing our members can receive to help encourage them to continue reaching higher. Our society owes it to our members and their families to recognize their sacrifices that have benefited our way of life in substantive ways. I am still waiting for submissions.....I urge you to identify a deserving member and have them recognized.

Steve Hosner was working very diligently on obtaining templates which may be of use to the membership and have them posted on the ISSS TVC website. With his decision to step down as vice president due to personal family health matters this project has been put on hold. If you have templates that you feel would be worthwhile posting and/or would be interested in picking up the lead on this worthwhile project send an email Christopher Trumble or Jason Rupert.

The chapter discussed starting a mentorship program and have not received any commitment from members yet. We all have had people during the early part of our careers made a significant, positive impact on shaping our professional development. If you are interested in being included on a list of potential mentors, please inform Chris Trumble.

### **Recent Events**

This November 18<sup>th</sup> we had the privilege of having Dave Arterburn from the University of Alabama Huntsville (UAH) Rotorcraft Systems Engineering and Simulation Center provide a presentation focused on Airworthiness of Complex Systems - Challenges and Opportunities. The turnout for this meeting was less than what was hoped, in due largely to poor weather. The meeting was attended by 8 people (6 members and 2 Guests). Dave explained how the University is developing a Model-based System for identifying the system safety elements and hazards associated with the airworthiness of complex systems Dave went on to extend an invitation to attendees to observe and try the model. An invited guest from a local robotics engineering company expressed interest in further investigating the UAH model. The model is compatible with a multitude of computer software programs which should ease adoption by companies and government agencies. It will be interesting to see what the future holds for this interesting concept.

### **Upcoming Events**

December meeting will be held Thursday 10 December 2015 at 1000 Airport Road, Huntsville, AL. This meeting is planned as a Christmas social function focused on members meeting other members and local engineering industry leaders as well as academic institution guests. All are encouraged to schedule this on your calendar and attend. If you know of people who would be interested in attending and meeting members please let me know. Details will be posted to the Chapter website. If you are interested please let Chris Trumble ([christopher.c.trumble.civ@mail.mil](mailto:christopher.c.trumble.civ@mail.mil)) know how many will be attending for planning purposes. It is envisioned this event will be a couple of hours, starting around 1800 hours (6:00 pm). It will be informal with finger foods and no charge to attend. You are asked to bring a food item or beverage for people attending to share.

20 January 2016 will see our first meeting of the New Year and it will be hosted at Bastion Technologies 700 Boulevard South, Suite 405 Huntsville, Alabama. We are fortunate to have Randall Stanley from Plus Location Systems agreeing to provide a briefing on RF Technology and its many applications related to safety, testing and evaluation. I feel this will be a fantastic learning opportunity and am looking forward to it. I encourage the membership to attend and show their interest in invited guest presentations.

17 February 2016 Quantitech 7027 Madison Pike, Huntsville, AL 35806 will be hosting the meeting. We need to identify someone to present at the February meeting. If you have recommendations please contact Christopher Trumble or Jason Rupert.

March 16, 2016 Dynetics 1002 Explorer Blvd. Huntsville, AL 35806 has agreed to host the meeting. Tentatively we will be having someone from Dynetics provide the presentation.

April 2016 ballots for the Chapter Officers will be sent out. Start thinking now about submitting your name for a Chapter officer position. The Chapter will be needing a President and Vice president for the upcoming year.

### **Special Events**

The Chapter is looking for volunteers to assist with the following special events:

The Future Cities competition will be held at the Davidson Center (U.S. Space & Rocket Center), on Saturday January 16th, 2016 9:00 am-12:00 Noon Collaboration at 1:30 pm final awards at 4:30pm

Alabama Science & Engineering Fair April 2 - 4, 2015 The University of Alabama in Huntsville Earth System Science Center, CRH 3078 Huntsville, AL 35899

### Special Events cont'd

NASA Rover Challenge April 7-9, 2016 awards presented last day of race at 5:00 pm

If you are interested please inform Chris Trumble ([christopher.c.trumble.civ@mail.mil](mailto:christopher.c.trumble.civ@mail.mil)).

### About Health and Safety Engineers

The majority of our membership works in system safety yet, how much do we know about the current status of our profession? Here are some interesting facts from the US Bureau of Labor Statistics about Health and Safety Engineers

(<http://www.bls.gov/ooh/architecture-and-engineering/health-and-safety-engineers.htm>):

- **What Health and Safety Engineers Do**  
Health and safety engineers develop procedures and design systems to prevent people from getting sick or injured and to keep property from being damaged. They combine knowledge of systems engineering and of health and safety to make sure that chemicals, machinery, software, furniture, and other consumer products will not cause harm to people or buildings.
- **Work Environment**  
Health and safety engineers typically work in offices. However, they also must spend time at worksites when necessary, which sometimes requires travel.
- **How to Become a Health and Safety Engineer**  
Health and safety engineers must have a bachelor's degree, typically in an engineering discipline such as electrical, chemical, mechanical, industrial, or systems engineering.
- **Pay**  
The median annual wage for health and safety engineers was \$76,830 in May 2012.
- **Job Outlook**  
Employment of health and safety engineers is projected to grow 11 percent from 2012 to 2022, about as fast as the average for all occupations. Although manufacturing and construction companies will still be among the leading users of their services, health and safety engineers are being employed in new areas to prevent costly accidents involving people and equipment.

***To the chapter's membership, have a joyous and safe holiday season and thanks for all that you do!***