



## November 2020 News & Updates

### Upcoming Events:

## The Latest Chapter Happenings

Eventbrite **GET TICKETS NOW**

### Virtual LIVE On-Line Lecture

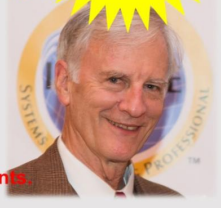
## Systems Engineering Evidence in Commercial Kitchens

Jim Armstrong

- Member Meeting starts 6:45 pm
- Lecture: 7:00 – 8:00 pm

### FREE & ONLINE

Online Webcast Link will be sent to Registrants.



Nov 18<sup>th</sup>

**11/18/2020**

LIVE on-line Lecture

Speaker: **Jim Armstrong**,  
Topic: **Systems Engineering Evidence in Commercial Kitchens**

Just how does Systems Engineering have a significant relationship to the design of a wide variety of commercial kitchens

[Download flyer for more details](#)

This presentation is purely VIRTUAL/ONLINE. An online chat questions-and-answers session will also be available. Webcast Link will be sent to Registrants

## Upcoming On-Line Meetings to consider

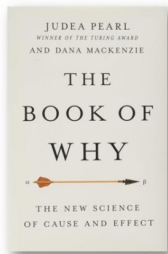
- 4 November - [INCOSE SoSE Mini Event](#)
- 9-10 November - [Building Really Big Systems with SAFE](#) - LA Chapter
- 11 November - [20th Year Anniversary](#) - INCOSE Sweden
- 2 November - [The Integrated Digital Environment of the AFMC Digital Campaign](#) - Wasatch Chapter
- 17 November - [Exoskeleton Requirements for Firefighters: Use Cases Reveal Essential Needs](#) - Cleveland-Northern Ohio
- 17-18 November - [ASEC 2020](#)

**President's POV**

# Is it causality? Or is it only correlation?

## President's Point of View

### Is it causality? Or is it only correlation?



Mark discusses the problem with the old maxim that “correlation does not imply causation.”



Mark Evans, ASEP

When two or more system variables appear to strongly correlate, is there also a cause and effect relationship? This question has daily as well as engineering applications. With the COVID pandemic raging and the National Election season running in high

gear, we are inundated with a flood of data about politics, social systems, financial data, scientific data, health systems, and left to sort through it all-- usually on our own.

Which variables drive and which variables are driven? Which variables both exhibit the same behavior and look related but are co-incidentally both directly related to the same, other influencing factor. Cause and effect can be extremely difficult to pin down without the benefit of some scientific way to deal with and explain all this data.

[Read more at our website](#)

## Announcements

### The 2021 Elections

The INCOSE Chesapeake Chapter (CC) Board of Directors (BOD) will be revealing the candidates for the following positions in 2021:

- **President-Elect:** Term is 3 years (President-Elect, President and then Past President);
- **Treasurer:** Term is 2 years;
- **Communications Director:** Term is 2 years

Please send a note to: [membership@incose-cc.org](mailto:membership@incose-cc.org) if for any reason you did not receive a ballot at the email address you registered with INCOSE.

### Chapter News

#### INCOSE-CC Elections for 2021 Board of Directors

Email Ballots have been  
emailed to Members



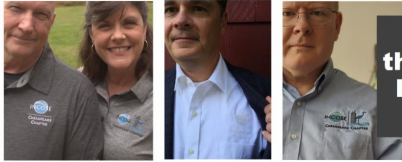
Please vote by Nov 25th.

### New INCOSE Chesapeake Chapter Store for Logo Apparel

You now have the opportunity to own a shirt with a customized Embroidered INCOSE Chesapeake Chapter Logo. [Go to our very own Lands End Store Front](#) so you can order from a broad variety of high-

## Chapter News

Custom Apparel - polo shirts, dress shirts, and business outerwear



Check out the Chapter's New Online Store

Embroidered with the INCOSE Chesapeake Chapter Logo

quality apparel and other merchandise with the Chapter's logo.

## We're Looking for Speakers for 2021

Dear Members,

I'm looking to our membership for help with keeping us a lively chapter throughout the upcoming new year. So, I'm asking... are you working on ideas you would like to get some exposure with or feedback on? Perhaps you have topics you just enjoy talking about? Perhaps you're a topic expert looking for an opportunity to share? What better way to hone your presentation by delivering it to an audience of receptive colleagues? I'm working now to get speakers lined up for our monthly events calendar for 2021. If you have interest in doing a speaking event, please reach out with your topic(s) and I'll work to get you placed on our docket.



Sincerely,

**Clinton Hilliard, CSEP**

*Chesapeake Chapter Director of Programs*

Send email to [programs@incose-cc.org](mailto:programs@incose-cc.org)

### Some Musings ...



### Flying a Historic Cessna 195

George Anderson applies the Systems Engineering Operations Process described in the INCOSE Systems Engineering Handbook and ISO/IEC/IEEE 15288, and relives his flight of a historic Cessna 195 during some daunting operational challenges while piloting the thing for a short 70 mile flight.

Did you miss out last month?

## A New and Sparse Method of System Architecting

Dr. Eisner presented his new method for architecting systems based on his new Book "Systems Architecting

**After Action Report**

**SYSTEMS ARCHITECTING AND WORKSHOP**

DR. HOWARD EISNER – GWU PROFESSOR EMERITUS  
May 2020; IHU/APL  
AUTHOR: SYSTEMS ARCHITECTING, CRC PRESS, 2020  
Fellow: INCOSE, IEEE, NYAS

**Oct 21<sup>st</sup> 2020**

**Dr. Howard Eisner**

Methods and Examples." The four-step method: (1) functional decomposition, (2) synthesis, includes a classic cost-effectiveness analysis (3) analysis, (4) preferred architecture selection. Ground-rules for the overall procedure include simplification, weighted evaluation criteria, and considerations on tradeoff and interoperability. This

After Action Report includes the briefing slides, screen-shots from the event and [a link to the HD Video](#)

The INCOSE-CC Website is filled with [musings](#), [book-reports](#), and [after action reports](#) for all our events. Explore and discover a wealth of information and articles at

[www.incose-cc.org](http://www.incose-cc.org)



[Our very own YouTube Channel has all our previous lectures. Check it out!](#)

## Training Opportunities

### Professional Development

**SSA**  
Systems Strategies & Analysis

**\$50 discount!**

**SysML & MBSE/MBE Training**

**We Work With The Leaders in Technology**  
We always bring good quality services with 100% safety

### SSA SysML & MBSE/MBE Training

SSA provides expertise in Model Based Systems Engineering and provides support services to customers with projects that use MBSE throughout the system development life cycle. SSA can provide you with self-paced or live MBSE training.

### UMBC Training Centers INCOSE SEP Exam Preparation Course

UMBC Training Centers has teamed up with SE Scholar to develop a unique approach to teaching the INCOSE SE Handbook which contextualizes the various Organizational, Project and Technical processes that are necessary to realized a "System-of-Interest." With the aid of a comprehensive Process Flow diagram, our Instructor will walk the students from the Project Portfolio Process to Disposal Process in a logical and sequential manner

### INCOSE Systems Engineering Professional (SEP) Exam Preparation Class

PROUDLY  
OFFERED BY



- **OCTOBER 13 – 15, 2020** LIVE ONLINE 9:00 – 5:00
- Learn and prepare from the comfort of your home or office. Class delivered using the ZOOM platform

➤ **INCOSE MEMBER DISCOUNT**

**15%  
off**

**To Register Contact Michael Schwartz**

[<mschwartz@umbctraining.com>](mailto:mschwartz@umbctraining.com) (443)460-3126

## Membership Corner

[Welcome all new members to our Chapter.](#)

Thank you for being part of INCOSE

## Chesapeake Chapter!

Consider advertising your openings by being part of an email campaign as well as a web site announcement. We have over 1200 contacts on our mailing list. Contact us at [membership@incose-cc.org](mailto:membership@incose-cc.org)

**[And check out our Website for Job Postings](#)**



The Chesapeake Chapter is always looking for volunteers to speak at our upcoming meetings! Please contact our [Programs Director](#) if you would like the opportunity to speak or can recommend someone.

**INCOSE Chesapeake Chapter Events are now on Eventbrite - check us out at [incose-cc.eventbrite.com](https://www.eventbrite.com)**

This is the monthly newsletter for INCOSE Chesapeake, a local chapter of INCOSE International. We are a not-for-profit organization dedicated to providing a forum for professionals practicing the art and science of Systems Engineering in the Northern & Central Maryland & Southern Pennsylvania area



The Chesapeake Chapter of INCOSE is proud to recognize the following organizations for sponsoring our endeavors to expanding the understanding and appreciation of Systems Engineering in the local area:



**MetaTech Consulting, Inc.**  
*Providing Information Management  
Systems Technical Services*



Keep up with the latest news and events. Find out about our new Board of Directors. Explore our extensive library of previous lectures from our Monthly Dinner Meetings. Learn of the Benefits of Joining INCOSE. Check out Systems Engineering education in the local area. All this and more awaits you at [our INCOSE Chesapeake Chapter Website](#).



For any comments or suggestions about this newsletter please e-mail our [Communications Officer](#). We value your feedback.

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**2020 Board of Director Officers ([read more at website](#))**

- President: Mark Evans, *ASEP*
- Past President: Taras Mykytyn, *ESEP*
- President-Elect: Jeff Berlet, *ESEP*
- Treasurer: Tony Gigioli, *CSEP*
- Secretary: Jim DeCamp, *ASEP*
- Communications: Paul Martin, *ESEP*
- Programs: Clinton Hilliard, *CSEP*
- Membership: Mark Kaczmarek, *ASEP*