



Systems Engineering: Challenges in the Near Future

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19 January 2022

Champions and Practitioners of Systems Engineering



Agenda

- Where we've been...
- Where we're at...
- Where we're going!





Who is the Chesapeake Chapter?

- The Chesapeake Chapter was founded in 1994
- Part of the Americas Sector
- ~300 members

2020 Chapter Circle Winners Awarded in 2021

President's Award for Outstanding Chapter
India

Director's Award for Most Improved Chapter
Huntsville

Platinum Award
Chesapeake
Los Angeles
San Diego

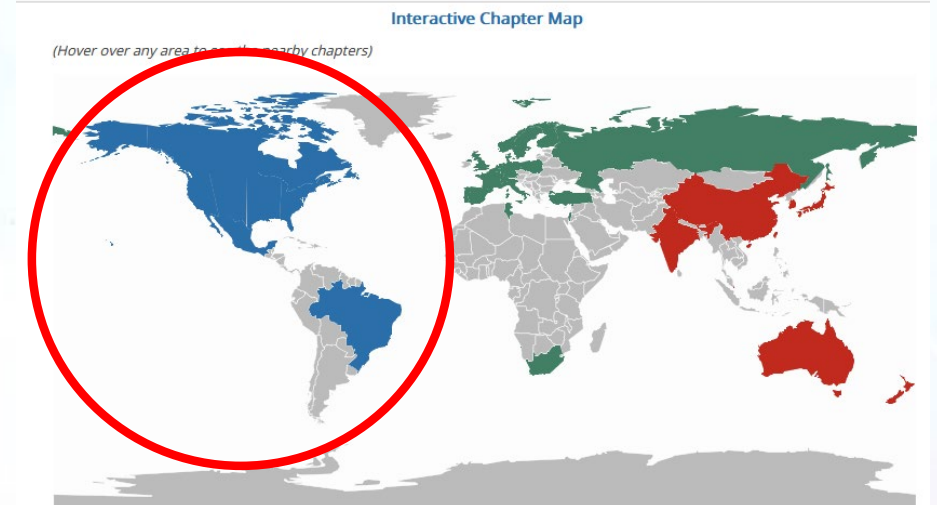
Gold Circle Award
Chicagoland
India

Silver Circle Award
Cleveland-Northern Ohio
Enchantment
Finger Lakes
Great Plains
Huntsville
Israel
Italy
North Texas
Southern Maryland

Bronze Award
Atlanta
Hampton Roads Area
Michigan
Midwest Gateway

2020 Good Neighbor Awarded in 2021

Americas Sector
Chesapeake



<https://www.incose.org/about-incose/incose-recognition/chapter-awards>

<https://www.incose.org/incose-member-resources/chapters-groups/incose-chapters>

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What we've done...



<https://www.incose-cc.org/history>

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Who we are in 2021

2021 Board of Directors

Associate Directors

WebMaster - Mr. Paul Martin, *ESEP*
Photography - Mr. Gundars Osvalds, *ESEP*
Social Media - Jim Campbell

Chapter Ambassadors

The Engineers Club - Mr. George Anderson, *ESEP*
University of Maryland College Park Chapter Student Division - Mr. David Alldredge, *ESEP*
The Maryland Board for Professional Engineers (PE) - Mr. David Fadeley, *ESEP*

Chapter Special Interest Group (SIG) Chairs

Youth STEM Local Science Fairs - Mr. Clinton Hilliard, *CSEP*
Scholarship SIG Chair - Mr. Bob Levin
ESEP Summit Chair - Mr. George Anderson, *ESEP*



Jeff Berlet, *ESEP*

- President-Elect-2020
- President-2021
- President-Past-2022

[Read More →](#)



Dr. David Flanigan,
CSEP

- President-Elect-2021
- President-2022
- President-Past-2023

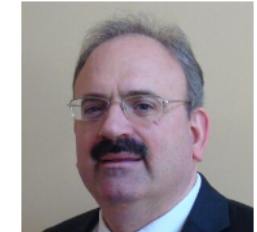
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Mark Evans, *ASEP*

- President-Elect-2019
- President-2020
- Past-President-2021

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John Boccio, *ESEP*

- Treasurer 2021 - 2022

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Jim DeCamp, *ASEP*

- Secretary 2019 - 2021

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Clinton Hilliard,
CSEP

- Programs 2020 -2021

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Michael S.
Anderson, *CSEP*

- Communications 2021
-2022

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Mark Kaczmarek,
ASEP

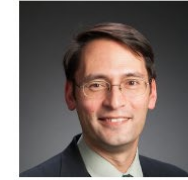
- Membership 2018 -2021

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Who we are in 2022



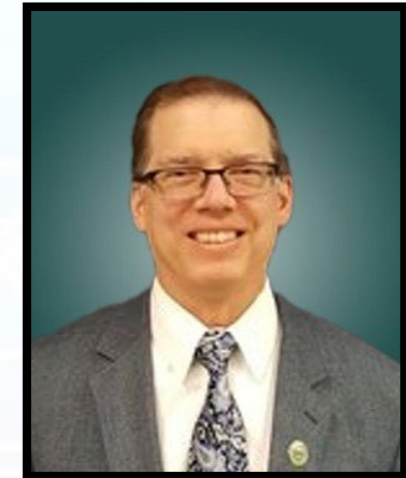
President-Elect: Dr. Steve Biemer



Programs Director: Mr. Jason Sohlke



Secretary: Ms. Jennifer Rainey, CSEP



Membership Director: Mr. Mark Kaczmarek, ASEP

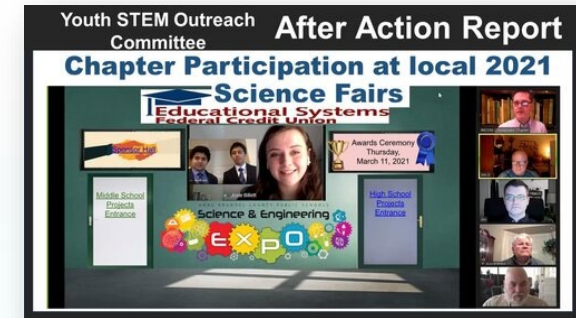
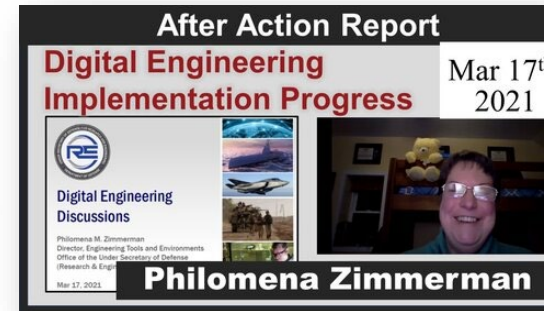
<https://www.incose-cc.org/blog/introducing-the-new-incoming-2022-incose-cc-board-members>

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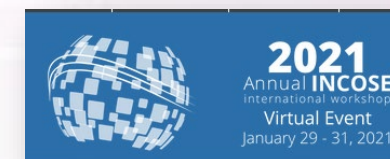
What we do as a chapter...

- Monthly chapter meetings
- STEM / Academic Fair
- Recruiting events (reStart)
- Social events
- SEP recognition gala
- Winter awards gala
- International events (INCOSE IW, IS)
- Regional events



Upcoming Events

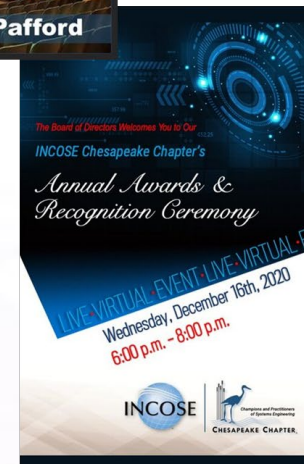
Hiring & Networking Event (reStart) There is an upcoming Virtual Career Fair that the chapter will have a virtual booth with reStart on Jan 28, 2021. Consider staffing the booth as well – you'll be able to earn some Professional Development Units (PDUs) towards your CSEP or ASEP renewal.	Virtual Career Fair Join us for a Hiring & Networking Event Jan 28 Visit the INCOSE-CC booth Event Hours: 2pm - 5pm EDT Location – Live Online and Virtual
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What we did in the last two years

- 2020
- Started with live events
- Worldwide pandemic
- Adapted to virtual delivery and connections
- International events were affected as well
- IW – live; IS - virtual





What happened last year

- 2021
- Continued virtual connections
- IW – virtual; IS – virtual
- Learned from last year and matured our virtual connections
- More events continued to be virtual
- More events were open and available

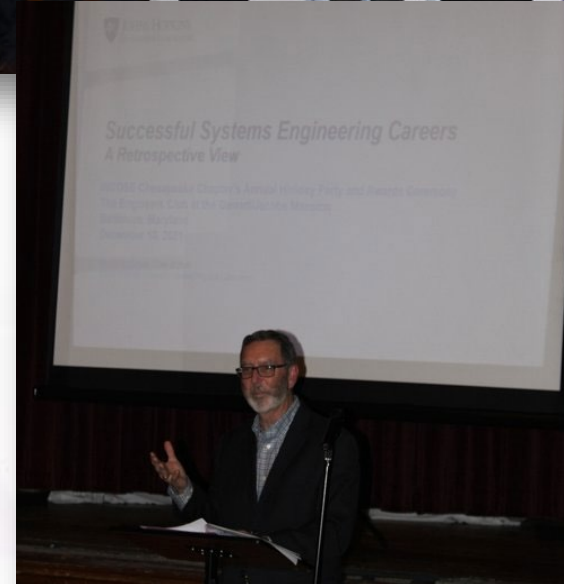
16th Annual System of Systems
Engineering Conference Online from
Västerås, Sweden, June 14-18 2021

<http://sosengineering.org/2021/>





And we finished 2021 with some live events!



<https://www.incose-cc.org/blog/2021-10-22-after-action-report>

<https://www.incose-cc.org/blog/2021-chapter-holiday-party-and-awards-ceremony>

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Where we're going!



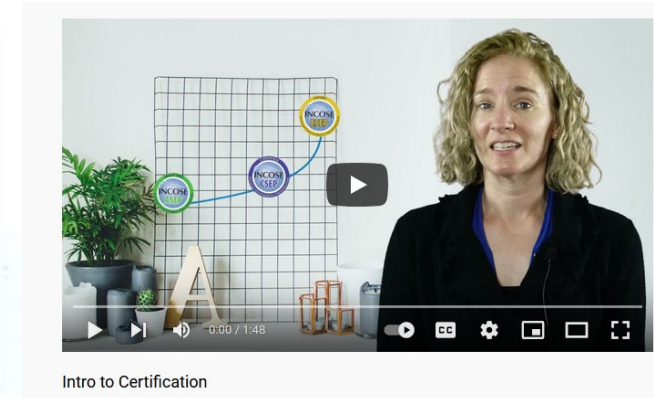
- For the near future...
- We'll continue to follow CDC guidance as it affects live events
- Continue to leverage virtual events and connections
- Leverage last year's survey and include an early new survey to help shape program direction
- INCOSE IW 2022 (end of January) – hybrid event; IS 2022 (hybrid?)
- Look for some creative use of live events where possible
- Outdoor events
- Collaboration with neighboring chapters – live and virtual
- SEP encouragement & recognition





Interested in certification? We can help!

- Nearly 2/3 of our chapter is certified
- Certification advisors
- Certification assistance
- Certification recognition at IS, IW, Chesapeake Chapter
- We have plenty of resources on certification – just ask!



Intro to certification

<https://www.youtube.com/watch?v=jZh6HZ0le9A>



2021-10-11: Understanding the INCOSE SEP Certification Process (Martin)

2021-10-11: Understanding the INCOSE SEP Certification Process (Martin)

<https://www.youtube.com/watch?v=GMCjqt7oiw0>



Sounds great! How do I get involved?

- There are plenty of ways to get involved in the chapter:
- Programs committee plans events, monthly meetings
- Communications committee to connect with the world!
- Individual contributions welcomed:
 - Do you have a class or book that can help others?
 - How about a new SE tool or technique?
 - Do you have a technical talk or tutorial subject?
- Join an INCOSE working group!
 - Each month, we'll include a short description of a WG
- Are you a CSEP? Do you need PDU? Ask us!



A quick look at 2022

- Chapter meetings – 3rd Wednesday of the month
- Program committee meetings – last Wednesday of the month
- INCOSE IW 2022 - January
- Chapter Survey – 1st quarter, see last year's survey: <https://www.incose-cc.org/blog/incose-chesapeake-chapter-survey-2021>
- Chapter Operating Plan – March, archived at: <https://www.incose-cc.org/blog/2021-incose-chesapeake-chapter-operating-plan>
- INCOSE IS 2022 - July
- SEP recognition event – August?
- Winter gala - December



Other links of interest

- INCOSE news & events: <https://www.incose.org/events-and-news>
- SOSE 2022: <http://sosengineering.org/2021/>
- 7th Annual Systems Engineering in Healthcare Conference, 26-28 April 2022: <https://www.incose.org/hwg-conference>
- Great Lakes / North-Central Regional Conference (GLNC): <https://www.incose.org/glnc2021/home/when-where>
- Western States Regional Conference (WSRC): <https://www.incose.org/wsrc/wsrc2021/home/when-where>
- New England fall workshop: <https://www.neincose.org/2021-incose-ne-fall-workshop>
- INCOSE CC YouTube channel: https://www.youtube.com/channel/UCcsgkOop_cvTG-CG8DNHOQ