

CHAPTER MEETING

August 18, 2020



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Agenda



- **Welcome / Introductions**
- **Chapter Meeting Schedule / Speakers**
- **Upcoming Elections**
- **Certification Information**
- **Guest Speaker: Dr. Rick Hefner, P.hD.**

Chapter Meeting Schedule / Speakers



- Tuesday, August 18 – Rick Hefner, Ph.D. – Resiliency in Systems Engineering
- Tuesday, September 15 – Brian Hallett, Carl Dister and Bill Klinger – Community Resilience, Readiness to Sustain and Recover From a Major Power Outage
- Tuesday, October 20 – Jim Armstrong, Stevens Institute – Famous Failures Revisited
- Tuesday, November 17 - LuAnn Duffus, Ph.D. – Exoskeleton Requirements for Firefighters: Use Cases Reveal Essential Needs
- Tuesday, December 15 – Holiday Social (virtual, if necessary)

Upcoming Elections – 2021 Term



- Elections will be in October for the terms commencing in January 2021
- The following positions are open for one year terms:
 - President, Vice-President, At-Large Director, Treasurer, and Secretary
- If you have an interest in running for office next year, or wish to hear more information about the duties of any of the available positions, please contact Bill Klinger, our C-NO Nominations & Elections Committee Chair, at klinger@modex.com, or reach out to any of our current Chapter officers
- More information on elections will be forthcoming in the coming weeks
- Chapter leadership is a terrific opportunity to “give back” to our systems engineering profession, and help shape the future success of our Chapter.

Three SE Certification Levels



If you have just started practicing – or want to start practicing – systems engineering, then ASEP is for you. This certification is for people at the beginning of their career as a systems engineer. The ASEP has “book knowledge” but not yet significant experience as a systems engineer.



If you are a practicing Systems Engineer with more than five years of systems engineering professional work experience, then CSEP is for you.



If you are a systems engineering leader with recognized systems accomplishments and have many years of systems engineering professional work experience, then ESEP is for you.

For more information on SE Certification, go to:
<https://www.incose.org/systems-engineering-certification/>

Now that I'm certified ...

Congratulations on earning your ESEP, CSEP, or ASEP designation. You are now recognized as part of a world-wide group of systems engineering professionals. This website provides you links and references that may be of use to you as a SEP. Please send suggestions for additional resources that could be added to this site to the [INCOSE Certification Office \(certification@incose.org\)](mailto:certification@incose.org).

[How Do I renew?](#)

What It Means To Be an INCOSE SEP

INCOSE Past President John Thomas has drafted a paper on what it truly means to be a Systems Engineering Professional as intended for INCOSE's multi-level certification program. A copy of this paper can be downloaded [here](#).

Write New Exam Questions

INCOSE's knowledge exam is a multiple-choice test based on the content of the INCOSE Systems Engineering Handbook. The exam is developed through the use of volunteer Systems Engineering Professionals (SEPs) and expert psychometricians. Learn more: <https://www.incose.org/systems-engineering-certification/exam-item-writing>

Certification Program Overview Charts

The INCOSE Certification Program has several overview briefings available for distribution or presentation.

- ➔ [INCOSE SEP Overview](#)
- [INCOSE SEP Statistics](#)
- [CER-PROC-01 SEP Program Definition and Requirements](#)
- ➔ [Fundamentals of INCOSE Certification](#)

https://www.incose.org/docs/default-source/certification/incose-sep-overview.pptx?sfvrsn=7b4db9c6_16

https://www.incose.org/docs/default-source/certification/webinar-139-wright_cantarino-fundamentals-of-incose-certificationv2.pptx?sfvrsn=48799bc6_0

Guest Speaker

Dr. Rick Hefner, Ph.D.

Program Director, Caltech Center for Technology and Management Education

Resiliency in Systems Engineering

Dr. Rick Hefner, Ph.D.



Rick Hefner, Ph.D., specializes in systems development and maintenance; project management; Lean Six Sigma; process improvement, technology transfer; and risk management. His experience spans over 40 years.

Dr. Hefner has worked with companies in the aerospace, communications, electronics, and health sciences industries: including AeroVironment, Applied Physics Laboratory, Applied Materials, Ares Management, Boeing, DRS Technologies, Halliburton, Herbalife, Honeywell, Jet Propulsion Laboratory, John Deere, L-3 WESCAM, Maytag, Motorola, Northrop Grumman, Pacific Bell, Raytheon, Schlumberger, Southern California Edison, St. Jude Medical, The Aerospace Corporation, Toshiba, TRW, U.S. Navy, and Xerox.

Dr. Hefner is credited with over 200 publications and presentations. He earned his PhD from the University of California, Los Angeles, in applied dynamic systems control. He received his MS and BS from Purdue University in interdisciplinary engineering.



Questions

Next Chapter Meeting

Tuesday, September 15

Brian Hallett, Carl Dister and Bill Klinger

Community Resilience, Readiness to Sustain and Recover From a Major Power Outage



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