

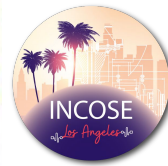


# Speaker Meeting

**February 11, 2020**

**International Council on Systems Engineering (INCOSE)  
Los Angeles Chapter**

# Agenda



Time	Topic
5:30 pm	Networking
6:00 pm	Announcements
6:20 pm	Systems Engineering Professional Certification
6:30 pm	“Antelope Valley Engineering Programs: A Systems Engineering Approach” Dr. J S. Shelley, Adjunct Professor, Mechanical Engineering, Aerospace Project Engineer, AFRL/RQRE
7:30 pm	Adjourn

**Welcome!**

**Thanks for registering in advance**

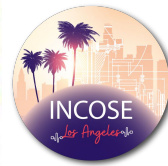
# Networking

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- Briefly introduce yourself (e.g., name, title, company)
- Announcement of job openings
  - *Open to anyone!*

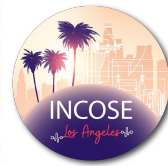
# Meeting Site Coordinators



Site	Coordinator	Contact
Aerospace Corp. (El Segundo)	Deborah Cannon	<a href="mailto:deborah.a.cannon@aero.org">deborah.a.cannon@aero.org</a>
Antelope Valley (Palmdale)	Dr. J S. Shelley	<a href="mailto:J.Shelley@csulb.edu">J.Shelley@csulb.edu</a>
California State University, Dominguez Hills	Dr. Antonia Boadi	<a href="mailto:aboadi@csudh.edu">aboadi@csudh.edu</a>
Ricardo Defense (Goleta)	Paul Stowell	<a href="mailto:paul.stowell@control-pt.com">paul.stowell@control-pt.com</a>
Northrop Grumman Corp. (Redondo Beach – <i>Employees Only</i> )	Stephen Guine Nazanin Sharifi	<a href="mailto:Stephen.Guine@ngc.com">Stephen.Guine@ngc.com</a> <a href="mailto:Nazanin.Sharifi@ngc.com">Nazanin.Sharifi@ngc.com</a>
Northrop Grumman Corp. (Azusa - <i>Employees Only</i> )	Maria Alvarez-Ruiz	310-877-9859
Parker CSD (Irvine – <i>Employees Only</i> )	Luke Blair	<a href="mailto:Luke.blair@parker.com">Luke.blair@parker.com</a>
Virtual Attendees	Deborah Cannon	<a href="mailto:deborah.a.cannon@aero.org">deborah.a.cannon@aero.org</a>

# Announcements – Upcoming Events

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- Chapter events ([www.incose-la.org](http://www.incose-la.org))
  - Board of Directors Meeting (Fridays), **CANCELLED** - Feb 14
- INCOSE global events ([www.incose.org](http://www.incose.org))
- Other local events
  - <https://connect.incose.org/Chapters/LosAngeles/Shared%20Documents%20Test/2020-CHAPTER-Folder/C0%20-%20Event%20Results/C1%20-%20Chapter%20Meetings/20200211Speaker/20200211-social-events1.docx>
  - Feb 24 5-8 AIAA-LA , Aerospace Professional network, Engineering Week, Meet AIAA HQ executives @ Proud Bird \$5, <http://events.r20.constantcontact.com/register/event?llr=p9tbt6cab&oeidk=a07egqwnrn2ec9dd3aa>
  - March 1, PMI-LA, Find Your Interest, Volunteer Recruitment, Feed Your Passion, Become a Shining Star at PMI-LA  
<https://www.pmi-la.org>

# Announcements – Upcoming Conferences

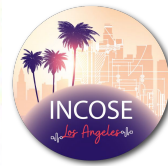
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- March 19-22, Conference on Systems Engineering Research (CSER)  
<https://cser2020.org/>
- Related Conferences
  - March 2-5, Ground Systems Architecture Workshop (GSAW), Los Angeles, [www.gsaw.org](http://www.gsaw.org)
  - May 5-7, Systems Engineering Forum, Chantilly, VA, <https://aerospace.org/events/systems-engineering-forum>

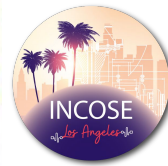
# Volunteer Opportunities

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- Remote site coordinator
  - Coordinates communication with remote sites for speaker meetings
- Networking coordinator
  - Plan networking events
  - Propose new methods to improve Chapter networking
- Membership records management support
  - Support the Membership Director in collecting attendance records and membership matters
- STEM Outreach Volunteers

# Systems Engineering Professional Certification



- A multi-level Professional Systems Engineering Professional Certification Program to provide a formal method for recognizing the knowledge and experience of systems engineers



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.

***knowledge***



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

***knowledge +  
5 years experience***



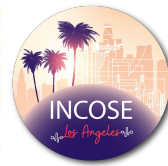
If you are a systems engineering leader with recognized systems accomplishments and have many years of systems engineering professional work experience, then ESEP is for you.

***knowledge +  
20 years experience +  
technical leadership***



# Benefits to SEP Certification

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## Individuals

- Recognition
  - Designation on business card, resume, signature, etc.
- Performance objective

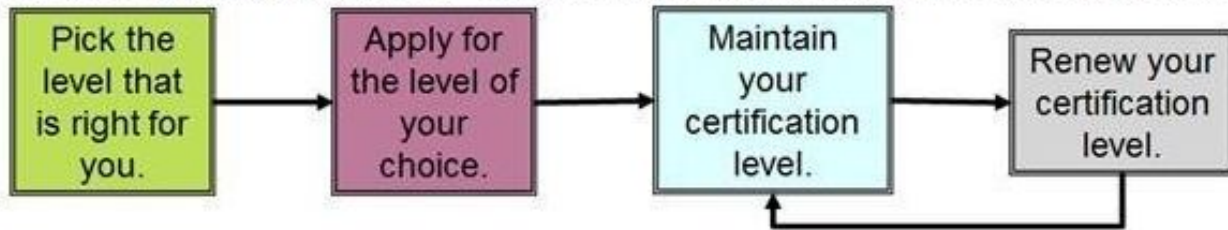
## Organizations

- Performance expectation
- Career ladder alignment
- Job advertisement
- Proposal discriminator
- Supplier qualification

# The Certification Process



The following flow chart depicts the 4 major decisions you will need to make regarding certification.



- ASEP
- CSEP
- ESEP
- Extension

- Application Form
- Reference Forms
- Fee
- Education
- Experience
- Exam/Oral Review

- Maintain individual, senior, or student INCOSE Membership if ASEP or ESEP \*
- Ongoing Professional Development

- Renewal Form
- PDU Log
- Fee
- 5 yr cycle for ASEP
- 3 yr cycle for CSEP
- Not required for ESEP

\* Also maintain individual, senior, or student INCOSE membership if CSEP applied for in 2016 or later.

<https://www.incose.org/systems-engineering-certification/the-certification-process/CertWhichOne>

# Current Certification Levels



*How many amongst us have a certification?*

## Certification Levels



**3489**  
CERTIFIED



**1074**  
ASEP



**2098**  
CSEP



**317**  
ESEP

For more information, see:

<https://www.incose.org/systems-engineering-certification/certification>

# **Antelope Valley Engineering Programs: A Systems Engineering Approach**

Dr. J S. Shelley