Speaker Meeting
February 11, 2020

International Council on Systems Engineering (INCOSE)
Los Angeles Chapter
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:30 pm</td>
<td>Networking</td>
</tr>
<tr>
<td>6:00 pm</td>
<td>Announcements</td>
</tr>
<tr>
<td>6:20 pm</td>
<td>Systems Engineering Professional Certification</td>
</tr>
<tr>
<td>6:30 pm</td>
<td>“Antelope Valley Engineering Programs: A Systems Engineering Approach&quot;</td>
</tr>
<tr>
<td></td>
<td>Dr. J S. Shelley, Adjunct Professor, Mechanical Engineering, Aerospace Project Engineer, AFRL/RQRE</td>
</tr>
<tr>
<td>7:30 pm</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>

Welcome!
Thanks for registering in advance
Networking

• Briefly introduce yourself (e.g., name, title, company)

• Announcement of job openings
  • Open to anyone!
<table>
<thead>
<tr>
<th>Site</th>
<th>Coordinator</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Corp. (El Segundo)</td>
<td>Deborah Cannon</td>
<td>[<a href="mailto:deborah.a.cannon@aero.org">deborah.a.cannon@aero.org</a>]</td>
</tr>
<tr>
<td>Antelope Valley (Palmdale)</td>
<td>Dr. J S. Shelley</td>
<td>[<a href="mailto:J.Shelley@csulb.edu">J.Shelley@csulb.edu</a>]</td>
</tr>
<tr>
<td>California State University, Dominguez Hills</td>
<td>Dr. Antonia Boadi</td>
<td>[<a href="mailto:aboadi@csudh.edu">aboadi@csudh.edu</a>]</td>
</tr>
<tr>
<td>Ricardo Defense (Goleta)</td>
<td>Paul Stowell</td>
<td>[<a href="mailto:paul.stowell@control-pt.com">paul.stowell@control-pt.com</a>]</td>
</tr>
<tr>
<td>Northrop Grumman Corp. (Redondo Beach – <em>Employees Only</em>)</td>
<td>Stephen Guine Nazanin Sharifi</td>
<td>[<a href="mailto:Stephen.Guine@ngc.com">Stephen.Guine@ngc.com</a> <a href="mailto:Nazanin.Sharifi@ngc.com">Nazanin.Sharifi@ngc.com</a>]</td>
</tr>
<tr>
<td>Northrop Grumman Corp. (Azusa - <em>Employees Only</em>)</td>
<td>Maria Alvarez-Ruiz</td>
<td>310-877-9859</td>
</tr>
<tr>
<td>Parker CSD (Irvine – <em>Employees Only</em>)</td>
<td>Luke Blair</td>
<td>[<a href="mailto:Luke.blair@parker.com">Luke.blair@parker.com</a>]</td>
</tr>
<tr>
<td>Virtual Attendees</td>
<td>Deborah Cannon</td>
<td>[<a href="mailto:deborah.a.cannon@aero.org">deborah.a.cannon@aero.org</a>]</td>
</tr>
</tbody>
</table>
Announcements – Upcoming Events

• 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-so-cal-events1.docx](https://connect.incose.org/Chapters/LosAngeles/Shared%20Documents%20Test/2020-CHAPTER-Folder/C0%20-%20Event%20Results/C1%20-%20Chapter%20Meetings/20200211Speaker/20200211-so-cal-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](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](https://www.pmi-la.org)
Announcements –
Upcoming Conferences

• 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.gsav.org
  • May 5-7, Systems Engineering Forum, Chantilly, VA, https://aerospace.org/events/systems-engineering-forum
Volunteer Opportunities

• 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.

- **ASEP** (Associate Systems Engineering Professional): 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.

- **CSEP** (Certified Systems Engineering Professional): If you are a practicing Systems Engineer with more than five years of systems engineering professional work experience, then CSEP is for you.

- **ESEP** (Expert Systems Engineering Professional): If you are a systems engineering leader with recognized systems engineering accomplishments and have many years of systems engineering professional work experience, then ESEP is for you.

  - **knowledge**
  - **knowledge + 5 years experience**
  - **knowledge + 20 years experience + technical leadership**
Benefits to SEP Certification

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.

1. Pick the level that is right for you.
   - ASEP
   - CSEP
   - ESEP
   - Extension

2. Apply for the level of your choice.
   - Application Form
   - Reference Forms
   - Fee
   - Education
   - Experience
   - Exam/Oral Review

3. Maintain your certification level.
   - Maintain individual, senior, or student INCOSE Membership if ASEP or ESEP *
   - Ongoing Professional Development

4. Renew your certification level.
   - 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

<table>
<thead>
<tr>
<th>Level</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFIED</td>
<td>3489</td>
</tr>
<tr>
<td>ASEP</td>
<td>1074</td>
</tr>
<tr>
<td>CSEP</td>
<td>2098</td>
</tr>
<tr>
<td>ESEP</td>
<td>317</td>
</tr>
</tbody>
</table>

For more information, see:  
[https://www.incose.org/systems-engineering-certification/certification](https://www.incose.org/systems-engineering-certification/certification)
Antelope Valley Engineering Programs: A Systems Engineering Approach

Dr. J S. Shelley