INCOSE Wasatch Chapter
& Industry Council Meeting

February 13, 2020
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Note</th>
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<tbody>
<tr>
<td>6:00 – 6:30</td>
<td>Dinner &amp; Networking</td>
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<tr>
<td>6:30 – 6:45</td>
<td>INCOSE Wasatch Chapter Announcements</td>
<td>Paul White, Chapter President</td>
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<td>6:45 – 7:45</td>
<td>INCOSE Vision 2025</td>
<td>Vince Johnston, ESEP – Chapter Director at Large</td>
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<tr>
<td>7:45 – 8:05</td>
<td>Industry Council Meeting</td>
<td>Drs. David Wetzel &amp; Nicole Batty</td>
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<td>8:05 – 8:15</td>
<td>INCOSE SEP Beta Exam (Time Permitting)</td>
<td>Paul White, Chapter President</td>
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What is INCOSE?

International Council on Systems Engineering
Industry organization for systems engineers
Founded in 1990

http://www.incose.org
What is the INCOSE Wasatch Chapter?

- Chartered in January 1997 to serve Utah systems engineering community
  - Systems Engineers
  - Companies
  - Universities
- Membership is mostly along “Wasatch Front”
- Support Utah systems engineers & companies as we compete in today’s global marketplace
- Member society of Utah Engineers Council (UEC)
- https://www.incose.org/wasatch
What is the INCOSE Wasatch Chapter?

- Networking
- Certification
- Systems Engineering Presentations
- Conferences
- Training
- Scholarships
What is the INCOSE Wasatch Chapter?

- The Aerospace Corporation
- Air Force Nuclear Weapons Center
- ASI
- BAE Systems
- Boise State University
- Defense Acquisition University
- Embraer
- Embry Riddle Aeronautical University
- General Dynamics
- General Electric
- Hill Air Force Base
- i3DAY Innovation
- KIHOMAC
- L-3 Harris
- Lockheed Martin
- Northrop Grumman
- Siemens
- System Solutions
- Utah State University
- Weber State University
New Members

• Richard Abderhalden (Weber State)
• Quinn Alleman (University of Utah)
• Kelvin Bloxham (Weber State)
• Abram Bowen (Weber State)
Renewed Members

- Ernie Kyed (Northrop Grumman)
- John McCrea (Hill Air Force Base)
- Todd Ovard (L-3 Harris)
- Paul White (Kihomac)
# Officer Leadership

<table>
<thead>
<tr>
<th>Name</th>
<th>Officer Role</th>
<th>Company</th>
<th>E-mail Address</th>
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</thead>
<tbody>
<tr>
<td>Paul White</td>
<td>President</td>
<td>KIHOMAC</td>
<td><a href="mailto:Paul.White@kihomac.com">Paul.White@kihomac.com</a></td>
</tr>
<tr>
<td>Angie Harbert</td>
<td>Vice President</td>
<td>Northrop Grumman</td>
<td><a href="mailto:angie.harbert@ngc.com">angie.harbert@ngc.com</a></td>
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<tr>
<td>Rachel Geerlings</td>
<td>Secretary</td>
<td>Northrop Grumman</td>
<td><a href="mailto:rachel.geerlings@ngc.com">rachel.geerlings@ngc.com</a></td>
</tr>
<tr>
<td>John Richards</td>
<td>Treasurer</td>
<td>Northrop Grumman</td>
<td><a href="mailto:john.richards@ngc.com">john.richards@ngc.com</a></td>
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<tr>
<td>Ernest Kyed</td>
<td>Director-at-Large</td>
<td>Northrop Grumman</td>
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</tr>
<tr>
<td>Vince Johnston</td>
<td>Director-at-Large</td>
<td>L3 Harris</td>
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</tr>
<tr>
<td>John McCrea</td>
<td>Director-at-Large</td>
<td>AFNWC/NIAB - Hill Air Force Base</td>
<td><a href="mailto:johnpatmccrea@gmail.com">johnpatmccrea@gmail.com</a></td>
</tr>
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<td>Paul Nelson</td>
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<td>Northrop Grumman</td>
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Upcoming Events

• Tuesday, February 18 – American Institute of Aeronautics and Astronautics (AIAA) Engineering Week Distinguished Lecture

Dr. Paul Bevilaqua has spent much of his career developing Vertical Take Off and Landing aircraft. He joined Lockheed Martin as Chief Aeronautical Scientist and became Chief Engineer of the Skunk Works, where he played a leading role in creating the Joint Strike Fighter. He invented the dual cycle propulsion system that made it possible to build a stealthy supersonic VSTOL Strike Fighter, and suggested that conventional and Neat variants of this aircraft could be developed to create a common, affordable aircraft for all three services. He subsequently led the engineering team that demonstrated the feasibility of building this aircraft.

Prior to joining Lockheed Martin, he was Manager of Advanced Programs at Rockwell International’s Navy aircraft plant, where he led the design of VSTOL interceptor and transport aircraft. He began his career as an Air Force officer at Wright Patterson AFB, where he developed a lift system for an Air Force VSTOL Search and Rescue Aircraft. He received degrees in Aeronautical Engineering from the University of Notre Dame and Purdue University.

He is a Fellow of the American Institute of Aeronautics and Astronautics and a member of the National Academy of Engineering. He is also the recipient of a USAF Scientific Achievement Award, AIAA and SAE Aircraft Design Awards, AIAA and AHS VSTOL Awards, and Lockheed Martin AeroStar and Nove Awards.
Upcoming Events

• **Saturday, February 22 – UEC 2020 Awards Banquet**
  – INCOSE Award Nominees for
    • Engineer of the Year: John Metcalf
    • Engineering Educator of the Year: Dr. David Wetzel
    • Fresh Face of Engineering: John McCrea
  – UEC Scholarship Recipient: Abram Bowen
  – Keynote Speaker: Blaine D Leonard, P.E., F.ASCE, Transportation Technology Engineer, Utah DOT
  – 6:00-9:30 p.m.
  – FLSmidth, 7158 S. FLSmidth Dr., Midvale, UT, 84047
  – [https://utahengineerscouncil.org/event/2020-awards-banquet/](https://utahengineerscouncil.org/event/2020-awards-banquet/)
Upcoming Events

• Thursday, March 12
  – "Measurement Techniques to Ensure Appropriate Process Maturity“
  – Louise Mudd, PE
  – Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041

• Thursday, April 9
  – “INCOSE Certification”
  – International Workshop (IW) Debrief
  – Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041
Upcoming Events

• Thursday, May 14
  – “Planetary Defenses“
  – Charlie Vono
  – Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041

• Thursday, June 11
  – “SysML v. 2.0”
  – Sandy Friedenthal
  – Kihomac, 3800 N. Fairfield Dr. E., Layton, UT, 84041