

Sean Genovese
Industrial Engineer
sean.genovese@gmail.com

Education

Master of Science, Management of Technology, University of Texas, San Antonio, Texas (2010)

Bachelor of Science, Industrial Engineering, California Polytechnic State University, San Luis Obispo, California (2003)

Publications & Presentations

- PechaKucha: What Do Industrial Engineers Do?, presenter (2018)
- Covert Industrial Engineers: A Discussion of Non-Traditional IE Roles, moderator (2018)
- What Leaders Look For In Promoting IE's Into Management, panelist (2017)
- The Movement Maker Show, creator and co-host (2016-2017)
- PechaKucha: Solving The Right Problem, presenter (2016)
- Is Your Organization Maximizing the Value of Industrial Engineers?, presenter (2015)
- 42 Visits in Five Months: Challenges and Lessons of Benchmarking, presenter (2015)
- What Color Is Your Fire Hydrant?, presenter (2014)
- Informal Leadership, presenter (2013)
- Human Factors and the Culture of Technology in the Workplace, presenter (2012)
- Not Quite There, author (2012)

Honors and Certifications

- STEM Star, Snohomish STEM Network (2016)
- Middle Career Leadership Award, IISE (2016)
- Certified Lean Practitioner, The Boeing Company (2006)
- Engineer-In-Training, California Department of Consumer Affairs (2003)

Community & Institute Leadership

- Alumni Mentor, Cal Poly Center for Leadership (2016-current)
- Industry Advisory Board Member, Cal Poly Industrial & Manufacturing Engineering (2015-current)
- Industry Advisory Board Member, IISE (2013-current)
- Guest Lecturer, Cal Poly Industrial & Manufacturing Engineering (2012-current)
- VOLT Panelist, IISE (2018)
- Annual Conference IAB Mentor, IISE (2018)
- Annual Conference General Program Chair, IISE (2017)
- STEM Fellow and After School Instructor, Washington Alliance for Better Schools (2014-2017)
- President, Fairfield Association of Homeowners (2014-2017)

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Community & Institute Leadership (continued)

- Technology Committee Chairperson, St. Brendan Catholic Church (2015-2017)
- Annual Conference Applied Solutions Chair, IISE (2016)
- Incoming Annual Conference Applied Solutions Chair, IISE (2015)
- Annual Conference Track chair, IISE (2014)

Selected Experience & Professional Accomplishments

Senior Industrial Engineer, Lockheed Martin Skunk Works®, Palmdale, California (2017-present)

- Team leader responsible for coaching & developing team members as well as recruiting, screening and hiring candidates.
- Industrial engineering leader for X-59 NASA demonstrator aircraft. Responsible for providing schedules, analysis, and process improvements that support the program lifecycle from design to first flight.
- Provide technical support to special access programs to improve, standardize, and document processes.

Industrial Engineer, Boeing Commercial Airplanes, Seattle, Washington (2013 – 2017)

- Established processes and standards to improve procurement, installation, and monitoring of industrial automation equipment for \$56 billion business unit.
- Achieved a 75% cycle time improvement (from years to months) in development and execution of scalable software solutions for generating key performance indicators on industrial automation equipment.
- Performed benchmarking study and presented bold recommendations to C-suite executives, challenging conventional wisdom and resulting in the organizational transformation of the Defense, Space, & Security business unit.

Industrial Engineer, Boeing Defense, Space, & Security, Texas & United Kingdom (2005 – 2013)

- Implemented transformational data collection system that reduced process times by 50% in 12 months, contributing to cycle time reductions that qualified a military defense program for performance award fees.
- Managed lean transformation efforts of a \$100M aircraft repair contract for a foreign subsidiary partner in the United Kingdom.

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Industrial Engineer, Boeing Defense, Space, & Security, Huntington Beach, California (2004 – 2005)

- Architected and implemented an electronic work management and dispatch system for forklift, tug, and crane operators that increased annual productivity of the work group by 16%.

Industrial Engineer Intern, Disneyland Resort, Anaheim, California (2001)

- Led time study teams, analyzed data, and identified opportunities to increase efficiency of attraction maintenance by up to 60%.

Testing Technician, Medinet, Costa Mesa, California (1999)

- Led team of biomedical technicians to complete functional compliance testing on medical devices in hospitals across the country without impacting daily hospital operations.

Business Technology Consultant, Southern California Moving & Storage, Temecula, California (1997 – 2004)

- Implemented business technology infrastructure to enable customer lifecycle management, increase billing revenues, and simplify driver payroll. Improved office efficiency by 60%

Q: If you are elected, how will you make things better for industrial and systems engineers through your Regional Operations Board position?

A: Every year I meet eager IE's at the annual conference and hear great ideas from people ready and willing to make a difference. I give talks, I host panels, I help organize, and I get inspired—and then I go home. The annual conference is a great way to recharge your industrial engineering batteries, but I believe there are opportunities to strengthen our engagement and keep IE's excited and engaged with IISE all year long. Whether we are helping the institute, our communities, or each other, I believe those opportunities begin with the local chapters. Our organization runs on volunteers, and my goal as RVP is to encourage year-round participation and help members in the western region connect and engage through our shared purpose as industrial engineers and members of the local community.