

# NATIONAL ENGINEERS WEEK

The National Society of Professional Engineers founded National Engineers Week in 1951. It's always celebrated at the time of George Washington's birthday. Our nation's first president was a military engineer and a land surveyor. The mission then, and now, is to increase public awareness and appreciation of the engineering profession.

## Peninsula Engineers Council Annual Banquet

With Presentation of the 2018 Engineer of the Year and Doug Ensor Awards

### Engineer of the Year—Mr. Jerry Cerro



Mr. Jeffrey Cerro has 40 years of experience in the aerospace industry, and is currently an Aerospace Technologist in the Vehicle Analysis Branch, Systems Analysis and Concepts Directorate at NASA Langley.

Throughout his career, Jeff has supported numerous air and space projects and has a general interest in trying to push the boundaries of automation for vehicle concept development through standards activities and systems engineering best practices. Projects in Jeff's history include reusable single and multi-stage access to space vehicles, orbital transfer vehicles, advanced subsonic and hypersonic aircraft.

Jeff has won multiple awards from NASA in appreciation for his work, but most impactful of all may be through service as a student mentor, showing his open and kind hearted nature in helping to prepare the next generation of engineers for continued excellence.

Mr. Cerro is a Virginia registered Professional Engineer, an Honorary Fellow of the SAWE, a senior member of AIAA, and a member of the INCOSE. He has authored or co-authored 29 publications, and holds a Master's Degree from Rensselaer Polytechnic Institute and a Bachelor's Degree from Rochester Institute of Technology, both in Mechanical Engineering. He is a successful leader, an excellent mentor, a great engineer, and a good friend.

SAWE Hampton Roads congratulates Jeffrey Cerro on his selection as the 2018 PEC Engineer of the Year!

### Doug Ensor Award—Chris Story



Chris Story grew up in Virginia Beach and attended Virginia Tech where he obtained his Bachelor's and Master's degrees in Materials Science and Engineering, including a study abroad year at the University of Sheffield, England. He had two summer internships at NASA Langley Research Center and after completing his Master's degree, and an internship in Austria for Plansee SE researching direct hot pressing of copper/diamond composites.

In 2008, Chris moved to Hampton and started working at Newport News Shipbuilding (NNS) in the Technology Development division, researching composites and new metallic materials. He led evaluations of sand binders for molding and quench tank flow analysis for the NNS Foundry. He developed a method for thermal finite element analysis of the water quench process of large castings, validating the FEA models with embedded thermocouple experiments. In 2014, Chris was promoted to Engineering Manager in the Laboratory Services department where he leads the metallurgy, mechanical test, and metals analysis section including a team of engineers, technicians, and chemists. Chris has been able to mentor multiple apprentice engineers and summer interns, and he continues to be involved in research work, including co-authoring a paper in 2016 for the Steel Foundry Society of America titled "Hydrogen Measurement during Steel Processing". Chris is active with ASTM International developing and improving specifications for the Steel committee and Mechanical Testing committees and currently serves as a user vice-chairman for the Steel committee. Chris has recently been asked to serve a special assignment at NNS to lead the Quality Division's integrated Digital Shipbuilding efforts. Chris and his wife Amy live in Hampton with their two young kids.

### Distinguished Keynote Speaker



Jessica Foley, PhD  
Chief Scientific Officer  
Focused Ultrasound Foundation

Jessica Foley, PhD is the Chief Scientific Officer for the Focused Ultrasound Foundation, whose mission is to accelerate the development and adoption of focused ultrasound, a breakthrough non-invasive medical technology. Foley oversees the Foundation's scientific and research programs and activities, and aligns these with communications and development efforts. She leads alliance-building efforts with external stakeholders including governmental policymakers, regulatory agencies, and disease-specific foundations complementary to those of the Foundation. She holds a BSE in Biomedical Engineering from Duke University and a PhD in Bioengineering from the University of Washington.

**SATURDAY, FEBRUARY 24, 2018 – Embassy Suites Hotel, 1700 Coliseum Dr, Hampton, VA 23666**

5:00 PM - Social Hour, 6:00 PM – Dinner, 7:00 PM – Program

Menu: (1) Pan Seared Chicken Breast [with Smoked Gouda Mornay]; (2) Hot Honey Glazed Salmon [with Mango Pico de Gallo]; (3) Vegetarian Bucatini Pasta [with Fontina Cream, Butternut Squash, Green Peas, Mission Fig, Shitake Mushroom and Roasted Tomato]. Each entrée includes Salad, Chef's choice of vegetable and starch, rolls, coffee/tea, and dessert. Cash Bar.

Tickets: \$35 per person. To purchase tickets, please go online to <http://bit.ly/2FOJ0Xu> or contact Bill LaBelle at (757) 619-9050 or your professional society's PEC representative.