

IEEE WIE FORUM USA EAST

03-05 November 2022

Crowne Plaza Providence-Warwick

Providence, Rhode Island



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**THANKS TO ALL OF OUR
COMMITTEE MEMBERS
AND ONSITE VOLUNTEERS!**

CHECK WEBSITE FOR LATEST UPDATES
<https://attend.ieee.org/wie-forum-usa-east-2022/>
& FOLLOW US ON SOCIAL MEDIA

SCHEDULE AT A GLANCE

THURSDAY, 03 NOVEMBER			
03:00 PM – 06:30 PM	REGISTRATION		
04:30 PM – 06:30 PM	NETWORKING RECEPTION		
07:00 PM – 10:00 PM	SOCIAL EVENT – GHOST TOUR (SEE WEBSITE FOR REGISTRATION DETAILS)		
FRIDAY, 04 NOVEMBER			
07:00 AM – 04:30 PM	REGISTRATION		
07:15 AM – 09:00 AM	BREAKFAST		
08:00 AM – 08:25 AM	OPENING REMARKS & WELCOME NOTE		
	TRACK 1: PROFESSIONAL GROWTH	TRACK 2: EMPOWERMENT	TRACK 3: LEADERSHIP
08:30 AM – 09:00 AM	PRESENTATION	PRESENTATION	WORKSHOP
09:05 AM – 09:35 AM	PRESENTATION		
09:35 am – 10:10 am	BREAK & EXHIBITS		
10:15 AM – 10:45 AM	PANEL		
10:50 AM – 11:20 AM	PRESENTATION	PRESENTATION	WORKSHOP
11:25 AM – 11:55 AM	PRESENTATION		
12:00 PM – 12:30 PM	PRESENTATION	PRESENTATION	PRESENTATION
12:30 PM – 02:00 PM	LUNCH & KEYNOTES		
02:00 PM – 04:30 PM	CAREER FAIR & EXHIBITS		
02:05 PM – 02:35 PM	CAREER FAIR	PRESENTATION	PANEL
02:40 PM – 03:10 PM		WORKSHOP	
03:15 PM – 03:45 PM		PRESENTATION	PRESENTATION
03:45 PM – 04:15 PM	BREAK & EXHIBITS		
04:20 PM – 05:35 PM	CLOSING KEYNOTES & DAY 1 WRAP-UP		
SATURDAY, 05 NOVEMBER			
07:00 AM – 10:00 AM	REGISTRATION		
07:15 AM – 09:00 AM	BREAKFAST		
08:15 – 09:00 AM	PRESENTATION		
	TRACK 1: PROFESSIONAL GROWTH	TRACK 2: EMPOWERMENT	TRACK 3: LEADERSHIP
09:05 AM – 09:35 AM	WORKSHOP	WORKSHOP	PRESENTATION
09:40 AM – 10:10 AM			PRESENTATION
10:15 AM – 10:45 AM	COFFEE BREAK, EXHIBITS, & IEEE WIE LOCAL MEET-UP OVER COFFEE		
10:45 AM – 11:30 AM	KEYNOTES		
11:30 AM – 12:15 PM	CLOSING PANEL		
12:15 PM – 12:45 PM	CLOSING REMARKS & RAFFLE DRAWINGS		

DETAILED SCHEDULE

THURSDAY, 03 NOVEMBER

03:00 PM – 06:30 PM

GRAND FOYER

REGISTRATION

04:30 PM – 06:30 PM

GRAND FOYER

NETWORKING RECEPTION

07:00 PM – 10:00 PM

MEET IN HOTEL LOBBY

SOCIAL EVENT – GHOST TOUR (SEE WEBSITE FOR REGISTRATION DETAILS)

FRIDAY, 04 NOVEMBER

07:00 AM – 04:30 PM

GRAND FOYER

REGISTRATION

07:15 AM – 09:00 AM

GRAND BALLROOM SALONS III-V

BREAKFAST

08:00 AM – 08:10 AM (OPENING)

GRAND BALLROOM SALONS III-V

OPENING REMARKS

Charlotte Blair, Co-Chair, 2022 IEEE WIE FORUM USA EAST

Felicia Harlow, Co-Chair, 2022 IEEE WIE FORUM USA EAST

08:15 AM – 08:25 AM (KEYNOTE)

GRAND BALLROOM SALONS III-V

JENIFER CASTILLO

2022 IEEE Women in Engineering Chair

DETAILED SCHEDULE

FRIDAY, 04 NOVEMBER

08:30 AM – 09:00 AM

BRISTOL A

TRACK 1: PROFESSIONAL GROWTH

HOW TO BE PERSUASIVE RATHER THAN ABRASIVE

Shere Tuckey, Branch Chief | Air Force Research Laboratory

How to be Persuasive Rather than Abrasive

One thing they don't teach in school is how to effectively communicate in a way that promotes dialog and understanding. How you go about expressing your opinions and perspectives has a big impact on how others will respond. If you want to advocate in a way that encourages others to stay in dialogue with you, you'll value learning a set of skills that help you advocate for what you want/need, share difficult feedback, or discuss controversial topics. This talk will help you become more confident in navigating these types of conversations by sharing skills from a successful process and approach as well as provide additional resources for you to further explore this topic. This talk is based on the skills taught in the book/course *Crucial Conversations*®

08:30 AM – 09:35 AM

TRACK 2: EMPOWERMENT

GRAND BALLROOM SALON II

THE SCIENCE OF PARTNERING

Theresa Caragol, Founder & CEO | AchieveUnite Inc.

As the business world rapidly transforms and relational models continue to shift, the ability to build effective and successful partnerships is becoming increasingly complex. Partnering with researchers at The University of Notre Dame and Arizona State University, AchieveUnite Inc. recently completed the first-of-its-kind, academically verified research around the science of partnering and has identified the personality dimensions necessary to effectively partner and form trusting relationships in our modern world.

08:30 AM – 09:35 AM (WORKSHOP)

TRACK 3: LEADERSHIP

GRAND BALLROOM SALON I

GROWING LEADERSHIP SKILLS AND RECOGNITION ORGANICALLY (AKA LEADING WITHOUT AUTHORITY)

Carrie Root, Ultimate Troubleshooter, CEO, Author & Visionary | Alpha UMi Inc

Taking professional development courses is one way to develop your leadership skills. But those opportunities are often not provided by your workplace until you are already in a leadership role or on a management track. So, how do you develop your leadership skills to get recognized for those promotion opportunities?

09:00 AM – 09:35 AM

TRACK 1: PROFESSIONAL GROWTH

BRISTOL A

FEMALE ENTREPRENEURSHIP; OPPORTUNITIES AND CHALLENGES

Abir Chermiti, Software Engineer & Podcaster | Elle Media Empire, LLC

This year data shows a growth of 48% in women entrepreneurs outpacing male counterparts by over 20%. This growth comes with a lot of challenges and opportunities that as a female entrepreneur, it requires us to build and/or find the community that will support us through our entrepreneurship journey.

09:35 AM – 10:10 AM

COFFEE BREAK & EXHIBITS

GRAND FOYER

DETAILED SCHEDULE

FRIDAY, 04 NOVEMBER

10:15 AM – 10:45 AM (PANEL)

GRAND BALLROOM SALONS III-V

WOMEN LEADING INNOVATION WITH DEFENSE CAREERS

Moderator: Molly Mageer, Executive Director | SENEDIA

Panelist: Marie Bussiere, Digital Transformation Executive, SSTM | Naval Undersea Warfare Center Division

Panelist: Ellen Ferraro, Vice President, Engineering & Mission Assurance | Raytheon Intelligence & Space

Panelist: Kelly Mendell, President | MIKEL Inc

The “Women Leading Innovation with Defense Careers” session will explore engineering career opportunities for women working in the defense sector. The panelists are accomplished leaders in industry and government and will discuss the opportunities for challenging work and advancement. They will also provide insight into their personal career paths and their outreach through mentorship to other women. Defense careers offer unique opportunities to create and support innovative technology in support of our national security.

10:50 AM – 11:20 AM

TRACK 1: PROFESSIONAL GROWTH

BRISTOL A

ADDING "TECHNICAL" BACK INTO DESIGN REVIEWS: 3 ALTERNATIVES TO BULLETED SLIDE DECKS

Dianna Deeney, Product Development Consultant | Deeney Enterprises, LLC

Technical Design Reviews are important meetings to hold with our team and management to make decisions about what we’re developing. We need the team to review the data, discuss it, and make an informed assessment based on data.

10:50 AM – 11:55 AM

TRACK 2: EMPOWERMENT

GRAND BALLROOM SALON II

REMOVING THE MASK: LIVING WITH IMPOSTER SYNDROME

Julie Smith, Senior Research Physicist | Air Force Research Laboratory

Approximately 70% of high achievers believe they are frauds and do not deserve the career they have or the recognition they receive. These people likely suffer from a phenomena called Imposter Syndrome, which is described as the inability to internalize successes and accomplishments, especially in high achievers. They view themselves as frauds and their feelings of inadequacy persists even when shown otherwise. Imposter Syndrome can induce severe anxiety and depression and can negatively impact performance at their job. This talk will go into detail on what it is like to live with Imposter Syndrome and ways to help alleviate it. Identifying the signs of Imposter Syndrome so it can be recognized in both the workforce, and in oneself, will be discussed and specific examples of my own personal experience living with Imposter Syndrome will be presented. This talk will also discuss ways to overcome Imposter Syndrome and how managers can help their workforce see they are, in fact, not imposters.

10:50 AM – 11:55 AM (WORKSHOP)

TRACK 3: LEADERSHIP

GRAND BALLROOM SALON I

INCLUSIVE LEADERSHIP FRAMEWORKS

NeeNee Shin, Senior Manager, Diversity, Equity & Inclusion | Sensata Technologies

Kendra Sheehan, Director of Global Talent Management | Sensata Technologies

While there are many leadership models that provide frameworks for what effective leadership or an effective leader looks like, this presentation will identify a few that demonstrate successful, inclusive leadership – covering actions and behaviors that we can adopt immediately to lead diverse teams. We will define inclusive leadership and cover the positive impact it can have on individuals, teams, and the entire organization, identify different biases and the negative impact they can create on teams, and apply four leadership behaviors to foster an inclusive environment. Presenters will ask attendees reflection questions throughout the session and attendees will have the opportunity to share answers in a large group setting.

FRIDAY, 04 NOVEMBER**11:25 AM – 11:55 AM****TRACK 1: PROFESSIONAL GROWTH**

BRISTOL A

BUILDING CONFIDENCE AND BELONGING IN THE CLASSROOM/WORKPLACE*Allison Marn, Assistant Professor of Engineering | Roger Williams University*

Workplace climate is one of the major reasons that women leave engineering. Particularly, lack of accountability, obstacles to career goals, and undermined confidence in the work environment are frequently experienced by women as a result of social norms, gender stereotypes, and subconscious bias. However, confidence in ourselves, community support, mentor relationships, and holding others accountable can help to combat these gender walls and build confidence and a sense of belonging. This talk will discuss ways to improve and excel in the gendered climate in engineering, and promote a better workplace culture.

12:00 PM – 12:30 PM**TRACK 1: PROFESSIONAL GROWTH**

BRISTOL A

CONTINUOUS LEARNING THROUGH SOCIAL MEDIA AND TECHNICAL INFLUENCERS*Amanda Weissman, Software Architecture Manager | Lockheed Martin*

You've been out of school a few years, but you need to keep learning to stay on top of evolving technology. You don't have time to go back and take another class. So, what can you do? We will talk about how to find technical influencers on social media that are driving conversations to evolve our fields. There are so many sources on the internet: Twitter, LinkedIn, YouTube, Podcasts, and others. How do you choose the ones that will be the most impactful and provide accurate content? We will look at how podcasts can help you meet Continuing Education Unit requirements you may need for certifications. We will also discuss how to make all of these sources push information to you, so you don't have to seek it out, and so it fits into your busy schedule.

12:00 PM – 12:30 PM**TRACK 2: EMPOWERMENT**

GRAND BALLROOM SALON II

TO GO, OR NOT TO GO: EMBARKING ON THE "GLASS CLIFF"*LaTasha Starr, Executive Director | ESTe²M Dreamers*

Often in many sectors including engineering, women are invited to lead when men, often White men decide that a situation is too chaotic or dysfunctional for them to touch it; a phenomenon that is known as the "glass cliff." This presentation offers a description of how to recognize a glass cliff context, factors to consider in contemplating whether the opportunity could be a worthwhile career move and how to negotiate if interested in taking on a formidable challenge. It offers strategies for pacing substantial change, gaining broad support and how to build consensus amongst different ranks, genders, and generations of workers.

12:00 PM – 12:30 PM**TRACK 3: LEADERSHIP**

GRAND BALLROOM SALON I

GLOBAL INNOVATIVE TECHNOLOGY TRENDS FOR 2030*Rhonda Farrell, CEO & Founder Global Innovation Strategies (GIS)*

What you don't know can hurt both your career trajectory and your organization. Attend and learn about innovative technologies for 2030 that you can leverage which deepen governance, information sharing, operational outcomes, and heighten security and privacy protections.

12:30 PM – 02:00 PM**BUFFET LUNCH AND KEYNOTES**

GRAND BALLROOM SALONS III-V

01:00 PM – 01:25 PM*Deb Cooper, President | IEEE-USA Board of Directors**Karen Panetta, Professor and Dean of Graduate Education | Tufts University***01:25 PM – 02:00 PM****FINDING YOUR VOICE, FORGING A UNIQUE CAREER PATH THROUGH DISRUPTIONS AND CHANGE***Ellen Ferraro, Vice President, Engineering & Mission Assurance | Raytheon Intelligence & Space*

DETAILED SCHEDULE

FRIDAY, 04 NOVEMBER

02:00 PM – 04:30 PM
CAREER FAIR

GRAND FOYER

02:05 PM – 02:35 PM

TRACK 1: PROFESSIONAL GROWTH

GRAND BALLROOM SALON II

HOW TO USE YOUR PASSIONS TO DRIVE AND SUSTAIN A SUCCESSFUL CAREER

Mary Quinn, Technical Fellow | Leidos

As Mark Twain famously said, “Find a job you enjoy doing, and you will never work a day in your life.” A recent survey by Indeed confirmed Mr. Twain’s quip, finding that 60% of employers reported that one of the main reasons some employees don’t perform well is due to “lack passion for their work.” [1] However, being told to “follow your passion” is easier said than done. This presentation will offer a process for understanding, building, and sustaining passion for the work we perform in our careers. Whether you are just starting to think about your long-term career goals, feeling stuck in a job that doesn’t bring you joy, or have the privilege of mentoring the next generation, it is never too late or too early to identify and nurture passion for what you do for a living.

02:05 PM – 02:35 PM

TRACK 2: EMPOWERMENT

BRISTOL A

NEGOTIATING YOUR FUTURE

Kristy Swegheimer, Chief Human Resources Officer | Qualus

Take it from the head of HR that we are excited about people who are enthusiastic about their careers. Yes, we want you to love this job and these opportunities, but when you're invested in yourself enough to ask for more, that's a good sign. Your career is your responsibility, but we want to help you find fulfillment.

02:05 PM – 03:10 PM (PANEL)

TRACK 3: LEADERSHIP

GRAND BALLROOM SALONS III-V

SUSTAINABILITY IN ENERGY – THE RACE TO NET ZERO IN THE NORTHEAST US

Moderator: Carol Sedewitz, Vice President, Electric Asset Management and Engineering | National Grid

Panelist: Natasha Deschene, Vice President of Electric Asset Management and Engineering | National Grid

Panelist: Patricia Dorsch, Director of Sustainability | National Grid

Panelist: Caroline Hon, Head of Gas Network Strategy and Planning | National Grid

Panelist: Reihaneh Irani-Famili, Vice President, Clean Energy Development & Infrastructure Investment | National Grid

DETAILED SCHEDULE

FRIDAY, 04 NOVEMBER

02:40 PM – 03:45 PM (WORKSHOP)

TRACK 1: PROFESSIONAL GROWTH

GRAND BALLROOM SALON I

BRAINSTORMING: THE SOLUTION TO STRUCTURED PROBLEM SOLVING

Emily Haidemenos, Chief Engineer | Leidos

Structured problem solving alone can fail to identify optimal solutions due to it limiting out-of-the-box thinking. Working in the confines of a structured approach can often time hinder idea generation. What is the solution to this inefficiency? Brainstorming. When brainstorming is utilized to solve a problem, it can provide a diverse and inclusive environment for creativity. In today's world of hybrid work, brainstorming can become even more challenging. Whether you are new to or experience with brainstorming, this session will explore solutions to planning your next virtual brainstorming session.

02:40 PM – 03:10 PM

TRACK 2: EMPOWERMENT

BRISTOL A

IEEE BALTIMORE ROBOT CHALLENGE & MEETING THE CHALLENGES OF COVID FOR STEM ACTIVITIES

Don Herres, Senior Electronic Design Engineer | Product Design Experts

IEEE Baltimore Section has sponsored a Robot Engineering Challenge for High School and Middle School Students; 2023 will be our 27th year. The robots are built from scratch. Aspects include performance, written report, artistic originality, workmanship and an interview with judges.

03:15 PM – 03:45 PM

TRACK 2: EMPOWERMENT

GRAND BALLROOM SALON II

“YOU ARE DISMISSED”: IMPLICATIONS OF THE IMPOSTER PHENOMENON FOR WOMEN LEADERS IN STEM AND RECOMMENDATIONS FOR ORGANIZATIONAL INTERVENTION

Janine Mator, Research Scientist | Leidos Innovation Center

The imposter phenomenon (IP), known colloquially as imposter syndrome, manifests in the belief that one's successes are owed to luck and other external factors rather than one's own skills and abilities. Although the pervasiveness of IP has become widely recognized among high-achieving individuals, the concept of IP was first established with regard to women in the workplace. Women, particularly those in male-dominated STEM fields like engineering, continue to represent a high-risk population for IP. In this paper, we identify remaining barriers to entry that IP imposes on women as potential leaders in STEM fields, including challenges exacerbated by remote work; discuss shared traits and differential treatment of successful women in STEM leadership roles; and propose next steps to combat IP for current and future women leaders at the organizational level.

03:15 PM – 03:45 PM

TRACK 3: LEADERSHIP

BRISTOL A

PATENT MONETIZATION

William Fowlkes, Treasurer Region 1 | IEEE

In this talk, we will discuss the ways in which one can extract value from a patent portfolio. Topics covered include:

1. Characteristics of a valuable patent
2. How to identify valuable assets
3. Options for monetization of patents, including licensing, both inbound and outbound.
4. An example of how to use patent search software to find potential licensees for your assets.

DETAILED SCHEDULE

FRIDAY, 04 NOVEMBER

03:45 PM – 04:15 PM

COFFEE BREAK & EXHIBITS

GRAND BALLROOM SALONS III-V

04:20 PM – 04:50 PM (KEYNOTE)

CLAUDIA CHANDRA

Chief Product Officer & VP Industrial Data & AI Platform, Edge & Analytics | Rockwell Automation

Leading Transformation through a Time of Disruption

GRAND BALLROOM SALONS III-V

04:50 PM – 05:20 PM (KEYNOTE)

TO BE ANNOUNCED

GRAND BALLROOM SALONS III-V

05:20 PM – 05:35 PM (CLOSING)

CLOSING REMARKS

Charlotte Blair, Co-Chair, 2022 IEEE WIE FORUM USA EAST

Felicia Harlow, Co-Chair, 2022 IEEE WIE FORUM USA EAST

GRAND BALLROOM SALONS III-V

DETAILED SCHEDULE

SATURDAY, 05 NOVEMBER	
07:00 AM – 10:00 AM	GRAND FOYER
REGISTRATION	
07:15 AM – 09:00 AM	GRAND BALLROOM SALONS III-V
BREAKFAST	
08:15 AM – 09:00 AM	GRAND BALLROOM SALONS III-V
YOUR CAREER: ARE YOU IN CONTROL OR IS IT CONTROLLING YOU?	
<i>Holly Cyrus, Project Manager Federal Aviation Administration</i>	
<i>Don Herres, Senior Electronic Design Engineer Product Design Experts</i>	
<i>Anna Romaniuk, Cyber Systems Engineer Reflexive Concept</i>	
<p>Traditional mythology is that companies will advance the careers of technical professionals providing training and job security. The reality is that you can expect to change jobs multiple times and, even while staying in place, the frequent corporate restructuring and changes of direct supervisors is like standing in the eye of a hurricane. Businesses have multiple stakeholders: the owners, who can be direct or stockholders, employees, and customers. If you look at your career as a business, you are the proprietor. Your customers are who you work for that pays you money, either salary or contract work. Your employees are you. Forward looking businesses invest in their employees as a value-added resource. Others just consider them to be an expendable resource that will be replaced when burned out, too expensive, or newer skills are needed. Are you creating your future or just expecting what will happen will be what you want?</p>	
09:05 AM – 10:10 AM	GRAND BALLROOM SALON IV
TRACK 1: PROFESSIONAL GROWTH (WORKSHOP)	
TECHNICAL WRITING WORKSHOP - WRITING SKILLS FOR ENGINEERS	
<i>Janine Love, Technical Marketing Program Manager Samtec Inc</i>	
<p>This 60-minute workshop is designed in two parts.</p> <p>Part 1: 30 minutes: 5 Tips to Improve Your Business and Technical Writing We are all on a journey with our writing. This presentation aims to help you move your writing to the next level, including discussions on audience, purpose, organization, style, and effective word usage.</p> <p>Part 2: 30 minutes: Grammar and Punctuation Bootcamp Once you start looking at how to improve your writing, you may find you need to better understand the “rules of the road.” This presentation cuts through the intricacies of English grammar to bring you the critical things you need to know, including the grammar and punctuation issues that most plague engineers. Bring your questions!</p>	
09:05 AM – 10:10 AM	GRAND BALLROOM SALONS V
TRACK 2: EMPOWERMENT (WORKSHOP)	
LAND YOUR DREAM JOB BY UPDATING YOUR LINKEDIN PROFILE	
<i>Anna Romaniuk, Cyber Systems Engineer Reflexive Concept</i>	
<i>Don Herres, Senior Electronic Design Engineer Product Design Experts</i>	
<i>Holly Cyrus, Project Manager Federal Aviation Administration</i>	
<p>The job market has changed dramatically over the last couple of years. 2022 has been a year where job seekers are exploiting Great Resignation and quiet quitting to fulfill their career dreams that include meaning and purpose. And yet employers are looking for the right candidates who are dependable, trustworthy and have the right attitude. LinkedIn is the largest professional network with over 850 million members, and is a great recruitment tool in the US with over 97,000 companies. There are 6 people getting hired every minute. This workshop will teach you how to effectively update your LinkedIn profile to land that dream job you’ve always wanted.</p>	

DETAILED SCHEDULE

SATURDAY, 05 NOVEMBER

09:05 AM – 09:35 AM

TRACK 3: LEADERSHIP

BRISTOL A

MAKING A DIFFERENCE IN A FUTURE OF CONVERGENCES

Susan Bales, Cape Fear Labs

The proposed presentation will present opportunities and challenges for scientist and engineers as they focused on solving today and tomorrow's hardest problems. Using the Blue economy as an example, the speakers will discuss required technology innovations, mental models and opportunities for those working in science, technology, engineering and leadership development to make a difference at the point of convergence of technology, humans and engineering.

09:40 AM – 10:10 AM

TRACK 3: LEADERSHIP

BRISTOL A

USING SYSTEMS THINKING IN CROSS-FUNCTIONAL TEAMWORK TO CREATE INNOVATION

Julia Taylor, Taylor Success Systems

Innovation is a huge challenge for companies, particularly those that rely on having state of the art products in order to stay in business. Those teams that incorporate Systems Thinking (big picture thinking) into their working processes are the teams that are effective when it comes to implementing new innovation. These teams have to plan and coordinate with many other departments, both before and during the implementation process. They can only do this effectively by being able to take different perspectives and integrate those perspectives into the overall strategy of the company going forward. This presentation will focus on the leadership qualities and behaviors required at different stages of innovation and how these involve cross-functional teams and the organization as a whole.

10:15 AM – 10:45 AM

COFFEE BREAK & EXHIBITS

GRAND FOYER

10:15 AM – 10:45 AM

IEEE WIE LOCAL MEET-UP OVER COFFEE

Meet your local WIE leaders and coordinators for a casual networking event.

BRISTOL B

10:45 AM – 11:30 AM (KEYNOTES)

SERVICE, INNOVATION AND ENTREPRENEURSHIP: MESSAGES FROM THE IEEE LEADERS FRONT

Greg Gdowski, IEEE Region 1 Director

Ed Palacio, IEEE USA President-Elect

Mary Ellen Randall, IEEE Treasurer on Service

GRAND BALLROOM SALONS III-V

11:30 AM – 12:15 PM (INTERACTIVE PANEL)

HOW TO TAKE THE WIE FORUM BACK TO YOUR WORKPLACE

Moderator: Theresa Caragol, AchieveUnite Inc.

Panelist: IEEE Volunteers and Conference Attendees

GRAND BALLROOM SALONS III-V

12:15 PM – 12:45 PM

CLOSING REMARKS

Charlotte Blair, Co-Chair, 2022 IEEE WIE FORUM USA EAST

Felicia Harlow, Co-Chair, 2022 IEEE WIE FORUM USA EAST

GRAND BALLROOM SALONS III-V

RAFFLE DRAWINGS (SPONSORED BY ACHIEVEUNITE INC. & 2022 WIE FORUM PATRONS)

THANKS TO OUR PATRONS!

DIAMOND



PLATINUM



GOLD



THANKS TO OUR PATRONS!

SILVER



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Boston Engineering improves the way people work and live through innovative product design and novel engineering. Trusted to solve the most pressing challenges for the Medical, Commercial, and Defense sectors, we employ sharp minds and innovative ideas to bring creative solutions to fruition. We use our expertise in robotics, motion control, embedded systems, Design for X, and digital transformation to solve tomorrow's problems. Join our team to work with brilliant creators, push your abilities beyond their limits, and advance your professional skills. Put your signature upon the latest lifechanging products. Imagine your impact!

Boston Engineering is ISO 9001 and ISO 13485 certified, and both an Ansys Certified Channel Partner and PTC Platinum Partner.



At ISO New England, we recognize that climate change is real and happening now. As the grid operator, we care about the environment and have an important role to play in securing the region's clean and reliable energy future. We've got the right people, aligned under the right mission and vision, to get the job done and as New Englanders ourselves, we are unequivocally part of the region's greener future and proud to be so. Come join us on our journey!



The team at Doble ensures reliable, safe and secure power for all. We do this by providing comprehensive diagnostics and engineering expertise for the energy industry.

Founded in 1920, Doble is committed to the continuing education of our customers, and the support and training of the next generation of power industry workers – uniting the utility sector for an innovative future.

Doble is part of the Utility Solutions Group of ESCO Technologies Inc. (NYSE: ESE). For more information, visit: www.doble.com, follow us on Twitter @doble and connect on LinkedIn.



The industry needs excellent engineers that are well-equipped with the essential skills to be successful leaders. With toxic workplace issues ever a threat, essential skills are more important than ever.

Alpha UMi can provide you with transformative training programs that build individuals essential skills and prepare them to be leaders.

Sampling of workshop topics:

- Emotional Intelligence
- Interpersonal Skills
- Communication
- Resilience and Adaptability

Great Engineers

Great Leaders

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THANKS TO OUR CAREER FAIR PARTICIPANTS!



The NYISO is the New York Independent System Operator — the organization responsible for managing New York’s electric grid and its competitive wholesale electric marketplace. We do not generate power or own transmission lines, but we work with power producers, utility companies, and stakeholders to provide power to meet New Yorkers’ electricity needs on a daily, hourly, and minute-to-minute basis. We are committed to a fair, transparent market system because it helps us deliver the lowest cost wholesale power solutions. The NYISO is charged with reliably operating New York’s power grid, meeting the most stringent standards in the nation, under strict regulatory oversight. We plan the power system for the future, over one, five and ten-year studies, to maintain long term reliability, reduce congestion on the transmission system, and meet public policy needs calling for new transmission, such as lines to bring renewable resources to customers.



Qualus, a leading provider of specialized engineering and technical field services, plays a vital role in the modernization of the electric power infrastructure, decarbonization of the economy, and the broader energy transition. Qualus currently operates 22 locations across the Midwest, Mid-Atlantic, Northeast and Southeast with nearly 900 highly skilled professionals. We embrace and champion diversity and inclusion through our core value, Our People, Our Strength, Our Power.

Through our ongoing series of unique education offerings called QualU, we are recognized throughout the industry for providing top-notch, comprehensive, in-person and virtual training programs such as Power Systems Fundamentals, Relay Testing and Commissioning, and Electrical Safety. In many cases, participants can earn continuing education credits to maintain professional certifications and licenses. Please visit qualuscorp.com.



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The Associate Laboratory Directorate for Weapons Production (ALDWP) produces plutonium pits, detonators, and non-nuclear components, along with the necessary evaluation that ensures safe and reliable products. The directorate’s programs support multiple aspects of the national security mission, including plutonium processing and disposition, manufacturing for NASA deep space missions, surveillance, materials management, and waste operations.

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FORUM KEYNOTES



JENIFER CASTILLO

2022 IEEE Women in Engineering Chair

Jenifer is an IEEE Senior Member and volunteer for 17 years, the 2021-2022 IEEE WIE Committee Chair, IEEE Region 9 Secretary, and the IEEE Puerto Rico and Caribbean (PR&C) Section Past Chair. Jenifer has also been involved in Humanitarian Activities Committee (HAC) projects, and is currently part of the IEEE MOVE community outreach initiative. She is also a Red Cross volunteer and very active with projects related to disaster response.

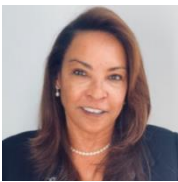
Jenifer is a B.S. Mechatronics Engineer and holds an MBA in International Business. She currently works for Parker Hannifin Corp., a Fortune 250 company, where she is Project Specifications Manager for Latin America, at Instrumentation group, focused on Business Development of different Parker Hannifin technologies in the region.



CLAUDIA CHANDRA

Chief Product Officer of Fiix | Rockwell Automation

Claudia Chandra has 25+ years of experience as a product leader in enterprise cloud and data management. Claudia joined Rockwell Automation as the Chief Product Officer of Fiix, a Rockwell Automation company, and later took on the leadership of the Data, AI, Edge Platform, and Analytics Business Unit. Prior to joining Fiix, Claudia led Data services on Oracle Cloud and was with Informatica for 15 years leading different parts of the business – her last two roles were as VP of Product Management and Marketing for the Data Security Group, and VP of Product Management for the Integration Platform as a Service (iPaaS) and Cloud Analytics. She also led products at a couple of startups before that, held engineering management and product management roles at Informix Software, and started her career at Motorola GSM Cellular as a lead engineer. She has a Ph.D. in Artificial Intelligence and Software Engineering from UC Berkeley and a second Masters in Construction Management from Stanford University.



DEBORAH COOPER

President | IEEE-USA Board of Directors

Deborah M Cooper is president and founder of an independent consulting firm specializing in Cybersecurity and has served on many Industry and USA Government advisory boards and panels. Past positions include Director, Unisys Government Systems, INFOSEC Business Development and Program Planning, Unisys Government Systems Director of Advanced Technology, Director of Formal Methods at Unisys and System Development Corporation, and Principal, Cyber Technology at Booz Allen Hamilton. Cooper graduated with honors from UCLA. While studying for her doctorate, Cooper created a database management system adopted for use at all University of California campuses and was awarded a University of California Administrative Fellowship. In 1989, she received the Unisys President's Award for Technical Excellence.

Deborah Cooper is 2022 President of IEEE-USA and has served as IEEE Computer Society 2006 president, Division Director V on the IEEE Board of Directors, MGA Treasurer, and past member of the Boards of IEEE-USA, Membership and Geographic Activities, Technical Activities, Publication Services and Products, past guest editor for *IEEE Transactions on Software Engineering* and *IEEE Software*, and editorial board member for *IEEE Security & Privacy*. Cooper has been an active IEEE volunteer for over 35 years, a member of IEEE Women in Engineering (WIE) since its inception and served on the WIE Committee 2007-8 and 2014-15.

Cooper is known for her commitment to our members and dedicated volunteers, her collegial and innovative leadership, and producing results. Her presidential initiative as 2006 Computer Society president focused on outreach to underserved demographics within IEEE, which she chose to bring back by popular demand as IEEE-USA 2022 President. There is much more work to be done.

FORUM KEYNOTES



ELLEN FERRARO

Vice President, Engineering & Mission Assurance | Raytheon Intelligence & Space

Dr. Ellen Ferraro is the vice president of Engineering & Mission Assurance at Raytheon Intelligence & Space, a business of Raytheon Technologies. She is responsible for ensuring engineering excellence for all RI&S programs, enabling the business to produce the most advanced defense and information systems in the world.

Before this role, Ferraro was vice president of Mission Assurance, which serves as the technical partner along the entire product life cycle, mitigating system issues and ensuring that quality is built into every aspect of our business. Prior to that, she was the senior director of Supplier Assurance. Previously, Ferraro held positions of increasing responsibility, including deputy vice president of Engineering at BAE Systems, business area chief engineer for Integrated Communication Systems at Raytheon Space and Airborne Systems, director of Research and Technology for Raytheon Advanced Technologies and senior director leading the Systems Engineering organization at Raytheon Integrated Defense Systems.

Ferraro received her doctorate in electrical and computer engineering from the University of Massachusetts at Amherst under a NASA Graduate Student Research Fellowship. Ferraro is a member of the Institute of Electrical and Electronics Engineers and is a committee member for the 2022 IEEE Phased Array Systems Symposium. She is a 2016 Fellow of the Society of Women Engineers and is the recipient of the SWE 2007 Emerging Leaders Award, the SWE 1999 Distinguished New Engineer Award and the Mass High Tech "Women to Watch in 2006" Award.



GREG GODOWSKI

Executive Director and Associate Professor | University of Rochester

Dr. Gdowski is the IEEE Region 1 Director and is a member of the IEEE, IEEE-USA, and IEEE-MGA Boards of Directors. He has worked in the academic research, industry, and incubation settings. He served on the faculty in Biomedical Engineering at the University of Rochester from 2001-2010 where he established a NIH-funded research laboratory in vestibular sensory processing. From 2010-2012, he worked at Blue Highway located at Syracuse University, where he managed medical device ideation, invention, incubation, and innovation opportunities for Welch Allyn. In 2012, he returned to the University of Rochester and serves as the Executive Director of the Center for Medical Technology & Innovation. The Center manages a MS program in Biomedical Engineering and coordinates educational and entrepreneurial activities related to the development of novel technological solutions to clinical problems.

He is an AAMI Fellow and a professional member of IEEE-Eta Kappa Nu. He is currently the Past President of the Rochester Engineering Society. He also served on the Board of Directors of MedTech (an association of over 100 Upstate New York biotechnology manufacturers, research institutions, allied professional services and economic development organizations).

FORUM KEYNOTES



ED PALACIO

President-Elect | IEEE USA

Ed Palacio has over 40 years of experience in directing development and production of complex military electronic systems. He has held Profit and Loss responsibility at the Business Unit and Sector levels, as well as functional lead positions in Program Management, Engineering and Operations. Currently he is President of P&L Technical Management Solutions, a Small Business focused on technology, program, and business development for the military and civilian market. Prior to this, he was VP of Program Management and Business Operations for ITT/Exelis Electronic Systems. Before joining ITT, Ed was VP of EDO Corporation's Electronic Warfare Sector. He is/has been a member of multiple advisory boards in industry, academia and professional organizations. He currently serves on the Board of Directors of Werlatone Corporation, the Institute of Electrical and Electronics Engineers, and has served on Industry Advisory Boards for The Cooper Union School of Engineering, SUNY Stony Brook Engineering Department and currently in the New York Institute of Technology College of Engineering and Computing Sciences Dean Executive Advisory Board. He currently teaches at Stony Brook University's Department of Technology and Society. Ed holds a BEE from the Cooper Union School of Engineering and Science and two MS degrees in Electrical Engineering and Technology Management from the Polytechnic Institute of New York. He is currently the IEEE USA President-Elect and the Region 1 Past Director (2020 and 2021).



KAREN PANETTA

2022 Awards Board Chair | IEEE

Dr. Karen Panetta is the Dean for Graduate Education, Tufts University School of Engineering, a Professor in the Department of Electrical & Computer Engineering, Adjunct Professor of Computer Science and Mechanical Engineering. She is the Editor-in-Chief of the IEEE Women in Engineering Magazine and recipient of the NSF Presidential Award by U.S. President Barack Obama.

She earned the Ph.D. and MS. Degrees from Northeastern University and a B.S. from Boston University in Computer Engineering.

Dr. Karen Panetta is the 2022 IEEE Awards Board Chair.



MARY ELLEN RANDALL

Founder and CEO | Ascot Technologies, Inc.

Mary Ellen Randall is founder/CEO of Ascot Technologies, Inc., an award-winning software company which develops enterprise applications utilizing mobile delivery technologies.

Previously, Ms. Randall held management and technical positions in IBM, including managing projects on an international scale.

Ms. Randall serves on the IEEE Board of Directors, as an IEEE Corporate Officer, as IEEE Treasurer and previously served as IEEE Vice President of the worldwide Member and Geographic Activities.

Ms. Randall also created, developed and currently manages the IEEE MOVE International Community Outreach Program for Disaster Relief and STEM education. She received three awards for this work, the IEEE Haradan Pratt Award (2020), one worldwide award for "Innovation" and one USA-wide "Citation of Honor" Award.

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FORUM SPEAKERS



SUSAN BALES

Board Member & Strategic Advisor | Cape Fear Ocean Labs

“My most profound learning has come from adventures at sea. Cruising the ocean in small sailboats, breaking ice in the Arctic with the Coast Guard, launching buoys with the Norwegians in 50-foot seas, crossing the steep north wall of the Gulf Stream with the Dutch, and landing on the pitching deck of an aircraft carrier in stormy weather are waypoints in my life.”

Susan has spent over 30 years as a future-focused strategist and hands-on innovation practitioner. She co-founded Bales Innovation Group in 2010 to combine critical, orthogonal thinking with experimentation to create profound new business value. She is a transformational leader, blending business, technology and diverse human talent to boldly solve hard problems. Her curiosity and experience translate into game-changing resiliency, collaborative solutions and new processes that impact business and mankind.

Susan was appointed to the Federal Government’s Senior Executive Service (SES). She led high-level policy, security and technology initiatives on a national and international level. She helped establish a billion-dollar enterprise that prototypes “Navy after Next.” She developed the first Global Ocean Wave Climatology used in marine vehicle design and the first live ship-centric port dredging and navigation monitoring system in the US. Susan launched the seamark program 7t to help commercialize science and technology and to raise resources for start-up enterprises. Susan currently serves as a board member and strategic advisor to Cape Fear Ocean Labs in Wilmington NC working to catalyze the growth of a Blue Tech business cluster in Southeast NC and as a business advisor and mentor with the Center for Innovation and Entrepreneurship (CIE) at UNC Wilmington, mentoring entrepreneurs seeking to establish their companies in distinct new markets. She is an active participant in New Entrepreneurs of Wilmington (NEW) and the Defense Alliance of North Carolina (DANC). She is a board member for the Foreign Trade Promotion Council of North Carolina.

Susan earned a BS in physics and mathematics at the University of Mary Washington and completed graduate studies in engineering, computer science and business management at various prestigious universities. Susan was born on an island and has spent most of her life by the ocean. She is thrilled driving fast sports cars but finds serenity in the smell of the sea and the sight of endless ocean waves.



MARIE BUSSIÈRE

Digital Transformation Executive, SSTM | Naval Undersea Warfare Center Division

Marie E. Bussiere is a member of the Assistant Secretary of the Navy (Research, Development and Acquisition) Chief Engineer team supporting Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation (RDT&E) strategic goals and objectives. Ms. Bussiere provides technical and management direction of senior scientists, engineers and managers who perform and manage science and technology and RDT&E for Navy Digital Transformation to maximize agility, interoperability, reusability and scalability across the enterprise. Ms. Bussiere provides senior level leadership to transform the culture and workforce to adopt the tools, processes, methods, training, and collaborative environments necessary for Naval Digital Engineering across the lifecycle. She is the recipient of the Department of the Navy Meritorious Civilian Service Award.

She is the recipient of the 2014 Providence Business News Business Women Award for Outstanding Mentor, 2016 NAVSEA Warfare Center Newport Excellence in Teaming Award, 2019 Commander/Technical Director Award, 2019 John C. Mickey Award for Collaboration – Live, Virtual, Constructive (LVC) Modeling and Simulation, 2020 Naval Sea Systems Command Innovation Award for Live Virtual Constructive, and 2021 NAVSEA Warfare Center Newport Excellence in Technical Innovation for Live Virtual Constructive.

Throughout her 34-year career at NUWC Division Newport, Ms. Bussiere has held a variety of leadership positions, including Head of the Undersea Weapons Acquisition and Life Cycle Engineering Division within the Torpedo Systems Department, Head of the Logistics Product Development Branch within the Undersea Warfare Combat Systems Department, and Royal Australian Navy Replacement Combat System Lead **System Engineer**.

FORUM SPEAKERS



TERESA CARAGOL

Founder & CEO | AchieveUnite Inc.

Theresa Caragol is the founder and CEO, AchieveUnite Inc., a strategic consulting and education firm that provides channel, partnering, and business acceleration services to leaders and global enterprises. With Theresa's leadership, AchieveUnite offers partner and channel development, go-to-market strategy, & channel integration, and executive education forums.

Ms. Caragol is a sought-after influencer with more than 20 years of experience across over 50 countries, building and managing multi-million-dollar indirect channel teams and strategic alliance programs from inception to sales success. She has developed numerous Executive Advisory Boards and Think Tanks, and co-founded the Baptie Women's Leadership Council.

Ms. Caragol has received numerous IT industry channel accolades and is a member of the CompTIA Channel Faculty - curriculum development, Baptie Channel Chiefs, Industry Think Tank and Council – Facilitator, as well as Non-Profit Boards: National Choral Society. Theresa Caragol is also a sought-after speaker, trainer, and facilitator, and was recently featured in the books, *How To Be A Woman In Technology (While Focusing On What Matters Most)* and *How to be an Emotionally Intelligent Leader*. Prior to founding AchieveUnite Inc, Theresa held senior executive roles at Extreme Networks, Ciena and Nortel. She holds a Bachelors from Virginia Tech, an MBA from the University of Wisconsin, and an Executive Masters in Leadership from Georgetown University Business School.

Theresa regularly speaks, writes, and blogs on a variety of topics in notable publications such as Forbes.com, and for some of today's most recognized technology companies.



ABIR CHERMITI

Software Engineer & Podcaster | Elle Media Empire, LLC

Abir Chermiti is an Award-winning Women in Tech Ally. A Software Engineer who had a large experience working with international workplaces and organizations who decided to turn her passion into a business. Abir is a huge supporter of women in tech and a true believer that women can do more if they are given the space to build and create. She started her own business in the middle of a global pandemic; EllePod, a podcast series that features stories of women in tech and business to support women and young individuals in their career path and empower them to embrace their digital and entrepreneurial Potential.



HOLLY CYRUS

Project Manager | Federal Aviation Administration

Holly M. Cyrus is currently a project manager for the Airport Safety Technology R & D Section, ANG-E261, at the FAA William J. Hughes Technical Center, Atlantic City, New Jersey. She has been on detail to the Aviation STEM program for 2 ½ years to help the next generation decide to be engineers and technologists. When not on detail she performs research and development of Visual Guidance equipment and Pavement Marking Materials. She has been with the Federal Aviation Administration for 35 years. Her experience includes two years with the Environmental Engineering Branch, Depot Engineering, AAC-445C where she found replacements for obsolete parts for lighted nav aids and engine generators. She worked for eleven years with the Navigation and Landing Branch, AOS-240, in Oklahoma City, OK performing modifications and field support of lighted nav aids. Holly is a graduate of the University of New Mexico, Albuquerque, New Mexico U.S.A. She received her Bachelor's degree in Mechanical Engineering. She is a graduate of Capella University, Minneapolis, Minnesota. She received a Master's in Business Administration. She has been in Toastmasters for nineteen years and is a Distinguished Toastmaster (DTM). She has also been in IEEE for twenty-one years and has held the following positions: IEEE Southern New Jersey Employment and Career Activities Coordinator Region 2, P & P Committee Member, and Women in Engineering (WIE) Committee Member at the International level, WIE Magazine Editor, and WIE Region 2 West Task Area Lead.

FORUM SPEAKERS



DIANNA DEENEY

Host & Founder | Quality during Design

Dianna Deeney is the host of the Quality during DesignSM Podcast and is the founder of Quality during DesignSM. She coaches product development engineers about awareness and use of quality and reliability methods during the design development process. She is an engineer, a senior quality professional, and an active member of ASQ holding certificates as a CQE, CRE, CQA, and CMQ/OE. Dianna believes that design engineers do not need to become quality or reliability engineers to use those methods and benefit from quality thinking. She has seen that using quality as a strategic asset during concept and design development improves the design and the design process and helps design engineers to be recognized as star performers. Her mission is to bridge product managers and designers (entry-level to seasoned) to the world's quality initiatives and quality-minded people.

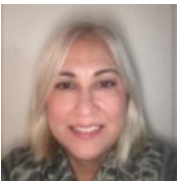


NATASHA DESCHENE

Vice President of Electric Asset Management and Engineering | National Grid

Natasha Deschene is the Vice President of Electric Asset Management and Engineering for New York at National Grid. In that role she has responsibility for asset management, planning, and engineering for both the transmission and distribution system. Natasha has led various initiatives related to resiliency, capital efficiencies, and the clean energy transition on both the transmission and distribution system.

Prior to this role Natasha was the Vice president of Electric Systems Engineering and has had various roles within the transmission line engineering and transmission construction organization. Natasha has a B.S. in Civil Engineering from Worcester Polytechnic Institute and an M.B.A. from Bentley University. She also has her Professional Engineering License in Massachusetts and is in the progress of obtaining a Business of Energy Certificate from Clarkson University.



PATRICIA DORSCH

Directory of Sustainability | National Grid

Pat is National Grid's Directory of Sustainability for New York. In that role, Pat is responsible for guiding the NY business in meeting the Company's net zero greenhouse gas ambitions. This includes working with fleet services, property services, electric operations, and gas operations. The Sustainability team is responsible for calculating GHG emissions for external disclosures (CDP Climate, S&P Global, GRI) and federal/state regulatory reporting (US EPA, MADEP). In addition, Pat provides rate case support and analysis for National Grid's Green Bonds. She is engaged with external industry organizations including EPRI's Energy Sustainability Interest Group, the One Future Coalition and the EEI/AGA ESG Steering Committee.

With over 35 years' experience in the utility business, Pat has expertise in Load Research, Gas Sales and Marketing, Commercial Project Technical Support, Energy Efficiency Evaluation and Renewables including developing the first performance-based rebate for Small Wind in the US.

Pat holds a Bachelor of Engineering degree in Mechanical Engineering from Stony Brook University and a Master of Science in Management from Long Island University. Pat is also an Association of Energy Engineers Certified Energy Manager and Certified Demand Side Manager.

FORUM SPEAKERS



RHONDA FARRELL

CEO & Founder | Global Innovation Strategies (GIS)

Dr. Rhonda Farrell's leadership career has spanned 30+ years, serving the USMC and Fortune 500, state, civil, and Federal government agencies. Innovation methodologies, principles, and approaches have been applied in the areas of cybersecurity, engineering, operations, quality, change, management, and organizational development.

She is the CEO of Global Innovation Strategies (GIS), and the Founder of Cyber & STEAM Global Innovation Alliance (CSTGIA), a partnership of 50+ organizations providing awareness, education, apprenticeships, and elevation opportunities for girls, youth, women, and veterans. She has served the non-profit community (ASQ) in an Innovation leadership role spanning half a decade, helping to build community and offer value-laden programs globally.

She is active in industry working groups and has contributed to the DoD CIO body of knowledge on Digital Modernization, Cloud Strategy, and the DoD Enterprise DevSecOps Reference Design, as well as being a contributing author for many ISSA Journal articles, the Women in Security, Changing the Face of Technology and Innovation within the Women in Engineering and Science series, and the Guide to Security Assurance for Cloud Computing.



WILLIAM FOWLKES

Treasurer | IEEE Region 1

Dr. William Fowlkes is currently the Treasurer of Region 1 and formerly served as Chair for the Rochester Section.

Dr. Fowlkes recently left IP.com, a software and services company that provides innovation solutions for the Intellectual Property and engineering communities. Prior to that, Dr. Fowlkes worked for the Eastman Kodak Company as an Intellectual Property technology leader supporting Kodak's patent-related activities from IP generation to value extraction. He is an inventor on 32 U.S. patents. Dr. Fowlkes is a certified practitioner of TRIZ and a Six Sigma Black Belt. He is also an expert at Taguchi Methods for Robust Design, and has taught TRIZ, Robust Design, and applied statistics to hundreds of engineers and scientists; he is co-author of Engineering Methods for Robust Product Design, Addison-Wesley Publishing Company.



EMILY HAIDEMENOS

Chief Engineer | Sensata Technologies

I joined Sensata in 2014 as a New Product Development Quality Engineering (NPD QE) after earning my Master's Degree in Design and Manufacturing Engineering from the University of Massachusetts Lowell. In this role, I worked with multiple cross-functional engineering teams to ensure the effectiveness of quality systems while earning my Six Sigma Black Belt certification. Now as a Chief Engineer for next generation HV contactors, I aim to grow and develop a team of technically competent individuals who realize their maximum potential within the company. Outside of my day job, I promote STEM and Diversity Equity and Inclusion by most notably combining both passions to co-create a three-year Sensata STEM mentorship program for local middle school girls. In addition to STEM outreach projects, I was co-chair of the Attleboro Women's initiative, a 30-year-old committee, focused on creating a culture that values and leverages the diversity and strengths of Sensata's women and those of the community. Being a part of AWI provided me with the awareness that we all need to develop the passion to guide our own paths for personal and career development. Working with supportive mentors has given me the courage and support to pursue my career aspirations.

FORUM SPEAKERS



DON HERRES

Senior Electronic Design Engineer | Product Design Experts

Don Herres does contract electrical, electronic, and embedded software design for consumer & industrial products, sharing knowledge and mentoring based on more than 35 years of successful product introductions.

He is a Licensed Professional Engineer with BS from University of Buffalo & MS from Syracuse University in Electrical Engineering. Don is inventor on 4 patents. For IEEE, Don holds multiple roles: Region 2 South Area Chair, Baltimore Section Secretary, and Baltimore Section Student Activities co-chair.

He is a Senior Life Member whose IEEE activities supporting women & minorities in engineering go back to 1994 as a member of the IEEE-USA Career Equality Committee including Chair 1996 & 1997.



CAROLINE HON

Head of Gas Network Strategy and Planning | National Grid

Caroline Hon is the Head of Gas Network Strategy and Planning, accountable for the asset, engineering, and work planning of the gas network to National Grid's ~950k customers in Massachusetts.

In her tenure at National Grid, she has served in various leadership roles in Finance, Shared Services, and Operations. Most recently, she was the Chief Operating Officer of the New England Gas Business, accountable for the safe, reliable, and affordable delivery of gas to National Grid's customers in New England, delivering a capital plan of ~\$1bn per annum and leading the organization through a major divestiture. Prior to that, she led the Gas Resource Management function at National Grid USA. In this role, she oversaw the management of the Gas Capital Investment Plan (~\$2.5bn per annum), the annual work and resource portfolio, emergency dispatch, and back-office management of capital and maintenance work orders from work scheduling through closeout. Prior to joining National Grid, Caroline was a consultant in Accenture's Utilities Transmission and Distribution practice focusing on Work and Asset Management. Caroline is a Chemical Engineer and holds a B.S. from the Massachusetts Institute of Technology.



REIHANEH IRANI-FAMILI

Vice President of Clean Energy Development and Infrastructure Investment | National Grid

Reihaneh Irani-Famili is Vice President of Clean Energy Development and Infrastructure Investment at National Grid. She is responsible for developing clean energy business opportunities within the regulated business in NE and working across New York and New England to ensure our customers can benefit from the federal funding opportunities that have been made possible through the Infrastructure Investment and Jobs act (IIJA). Reihaneh joined National Grid in 2016. During her time, she has been responsible for Business Resilience and Emergency response as well as driving change in multiple functions across gas and electric businesses, implementing new technology, improving business processes, and developing talent, enabling the journey to an affordable and green energy system.

Reihaneh has worked in the energy industry for over 20 years and her experience spans engineering design, plant maintenance, project development and management consulting in upstream oil and gas as well as gas and electric transmission and distribution. She is passionate about a cleaner, more sustainable energy future; by building a resilient business focused on people and our communities. She earned a Master of Business Administration (MBA) and a Master of Science (M.Sc.) in Chemical Engineering from University of Calgary, Alberta, Canada. She also earned a Bachelor of Science Degree (B.Sc.) in Chemical Engineering from Tehran University in Tehran, Iran. Reihaneh is a thought leader in leading change and an avid mentor and coach of talent across her organization and beyond.

FORUM SPEAKERS



JANINE LOVE

Technical Marketing Program Manager | Samtec Inc

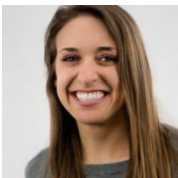
Janine Sullivan Love has a strong interest in science and technology, was trained as an educator, and began working as a professional writer more than 20 years ago. She currently serves Technical Marketing Program Manager at Samtec. Previously, she was Editor/Publisher of Signal Integrity Journal; Event Director at Horizon House Publications, Inc.; and Technical Program Director, DesignCon and ARM TechCon, at UBM LLC. She has also held numerous editorial positions including editor in chief of Test & Measurement World; site editor for EETimes' RF&Microwave Designline and Memory Designline; and senior editor at EDN. She edited the book World Class Designs: RF Front End and occasionally teaches at a local community college. Janine founded Writing Solutions LLC in 1998 and ran it as a successful freelance technical writing business for 13 years before returning to work directly in publishing and events. She holds a Bachelor's Degree from the University of Delaware and a Master's Degree from Duquesne University.



MOLLY MAGEE

Executive Director | SENEDIA

Molly Donohue Magee is the Executive Director of SENEDIA, the alliance for Defense Tech, Talent, and Innovation. The alliance is a catalyst for thought leadership and enables the development of critical defense technologies while facilitating economic and workforce development opportunities. She created SENEDIA's nationally recognized annual event, Defense Innovation Days. As the organization's first executive director, she has helped focus key thrust areas including cybersecurity, undersea technology, and submarine shipbuilding workforce development. She also serves as the Executive Director of the Undersea Technology Innovation Consortium (UTIC), a nonprofit organization focused on providing resources to accelerate the transition of undersea technology to market. UTIC was awarded an Other Transaction Agreement from the Department of Navy for Undersea and Maritime Innovative Technology in June 2018. She is a member of the Rhode Island Science and Technology Advisory Council, the Rhode Island Defense Economy Planning Commission, and the Rhode Island Governor's Workforce Board. She has an undergraduate degree in Mathematics and an Executive Master of Business Administration. She has received many awards and recognitions including: the Department of Navy Superior Civilian Service Award; University of Rhode Island Alumni Award for Business; Salve Regina University Alumni Achievement Award; Carnegie Mellon University/AMS Achievement in Managing Information Technology Award; Association of Government Accountants Achievement of the Year Award; and the 2019 PBN Career Achievement Award.



ALLISON MARN

Assistant Professor of Engineering | Roger Williams University

Allison M. Marn is an Assistant Professor of Engineering at Roger Williams University. She received her B.S. in Biomedical Engineering and Electrical Engineering from Boston University in 2013. After graduating, she spent two years at InterSystems Corporation developing software solutions for technology integration, followed by a year at General Dynamics Mission Systems designing and supporting the firewall for the soldiers' network in development. Allison earned her Ph.D. in Electrical Engineering from Boston University in 2021 developing interferometric sensing instrumentation for molecular kinetics. She joined Roger Williams University in 2020 as an instructor while finishing her doctorate and was appointed to Faculty in 2021. Her current research explores optical sensing and imaging methods for biomedical and environmental applications.

FORUM SPEAKERS



JANINE MATOR

Research Scientist | Leidos Innovation Center

Janine Mator is a research scientist for the Leidos Innovation Center (LiNC), where she uses her M.S. in human factors to study human behavior as it relates to latent constructs like trust in automation and situation awareness. Janine's professional writing on these topics primarily concerns their impact on human performance for unmanned vehicle operators. Her recent literature review on the pull-down effect of trust in automation enabled her to design an experiment with experienced fighter pilots at the Wright Patterson Air Force Base (WPAFB) alongside one of the Air Force Research Laboratory's (AFRL) leading experts on trust in automation. Her work also includes written contributions to RFI and RFP responses concerning usability and human-centered design, as well as Institutional Review Board (IRB) application development for emerging technological research at Leidos.

Previously, Janine served as supervisor of the Psychology of Design Laboratory while earning her master's degree in human factors from Old Dominion University.



KELLY MENDELL

President | MIKEL Inc

Kelly Mendell is president and majority owner of MIKEL, Inc., a leading undersea warfare technology small business in Middletown, RI.

Kelly honors her father's legacy as founder of MIKEL. Brian Guimond started MIKEL and grew it early on based on his reputation and credibility in the Navy Community after serving at a high level in various Government positions.

Kelly recognized the need to change the business model in anticipation of defense budget cuts in the company's earlier years. A shift to engineering services was initiated and based on some key decisions, the company was able to diversify sufficiently to not only stay viable but achieve significant growth. Through this growth, MIKEL invested internally in strategic initiatives, training, and new technology developments. Recently, MIKEL was awarded a sole source Navy contract related to one of these important technological developments.

FORUM SPEAKERS



MARY QUINN

Technical Fellow | Leidos

Dr. Quinn is a nationally recognized expert in the social and behavioral sciences with more than 30 years of experience. Her work currently focuses on behavioral applications for intelligence exploitation, Human Machine Teaming, Human Systems Integration, Human Centered Design, trust and ethics of Artificial Intelligence, training, and upskilling. She has designed quasi-experimental, single subject, usability validation, and survey research and data analysis methodologies. She is an expert on protection of human subjects and global privacy policies.

She conducts research into the understanding of Manned/UnManned Teaming (MUM-T), shared situation awareness, and calibration of operational end users' trust in the artificial intelligence capabilities and decision making for the US Air Force Research Laboratory. She led conduct of human use research that evaluated Army intelligence analyst performance using the DARPA Insight suite of automated software tools for intelligence, surveillance, and reconnaissance. She employed a comprehensive assessment framework that measured workload, situation awareness, trust, usability, and usefulness in conjunction with mission/ task-specific metrics. Initially, analysts refused to use the automated analysis features.

She is currently leading an internal Leidos project to incorporate Human System Integration methods and practice into the engineering and system life cycle development processes applied across the enterprise; and developing a multi-level human-machine teaming (HMT) performance measurement framework.



ANNA ROMANIUK

Cyber Systems Engineer | ReflexiveConcepts

Antoanna Romaniuk has over 30 years of engineering experience that has spanned the commercial & defense industries, start-ups, small and large businesses, avionics, and telecommunications. During her career, she has held a number of engineering and leadership positions. She has spent the last ten years working in the cybersecurity industry. She is currently a Cyber Systems Engineer at ReflexiveConcepts.

Mrs. Romaniuk is a senior member of IEEE and she has been involved with many facets of IEEE, including WIE, Big Data Community, System Council, Consultants Network, Communication Society, Computer Society, and System, Man, and Cybernetics Society, IEEE USA Committee on Communications Policy, and Cyber-Security Initiative and IEEE Technology Policy Activities. She is currently the Chair of the IEEE Region 2 Employment & Career Activities Committee and serves as a member of Diversity in the US Workforce Ad Hoc, IEEE-USA committee.

Mrs. Romaniuk holds a Master of Science degree in Theoretical Physics and Applied Mathematics from the Warsaw Technical University and a Master of Science degree in Project and Organizational Management from the Johns Hopkins University. Outside of IEEE, she is active in the ISOC, Maryland Film Festival, and PMP.

FORUM SPEAKERS



CARRIE ROOT

Ultimate Troubleshooter, CEO, Author & Visionary | Alpha UMi Inc

Carrie Root, Ph.D., Founder and CEO of Alpha UMi, spent over two decades as a high-level trouble shooter for the Department of Defense and NOAA. While working in this capacity, she was an engineering consultant—she lived “Leading without Authority” daily while working with large and small corporations and other government agencies. Today, she is bringing innovative professional development curricula to tomorrow’s workforce. She is committed to providing the opportunity for human skill development to all who desire it. Her company, Alpha UMi, develops and delivers relevant, engaging, and transformative learning experiences in topics such as leading without authority, generational intelligence, leadership, emotional intelligence and interpersonal communication.

Dr. Root was recognized as a Commander’s National Award Winner for Science and Technology in addition to other awards. She is an engaging speaker and recently published “The Other Soft Skill: How to Solve Workplace Challenges with Generational Intelligence.” Her favorite article in the past six months is On a Mission to Combat Ageism in the Workplace which addressed questions of ageism that were triggered by William Shatner’s venture into space, published by Rethinking65.



CAROL SEDEWITZ

Vice President, Electric Asset Management and Engineering | National Grid

Carol Sedewitz serves as Vice President, Electric Asset Management and Engineering at National Grid in New England. Her areas of responsibility include planning, asset management and engineering of the transmission, substation, and distribution assets; work plan development; and resource management as well as initiatives to modernize the grid. The work we do is key in identifying safe, reliable, and efficient ways to achieve our net zero objectives.

Throughout her career she has held progressively more responsible engineering leadership roles at National Grid focusing on technical, policy and regulatory matters. She is a registered professional engineer in the state of Massachusetts, holds a certificate in asset management from the Institute of Asset Management, is a member of the Society of Women Engineers, and a member of the Institute of Electrical and Electronics Engineers. Ms. Sedewitz holds a Master of Engineering and a Bachelor of Science degree in Electric Power Engineering from Rensselaer Polytechnic Institute and holds a Bachelor of Science degree in Physics from the State University of New York at Oneonta.

Ms. Sedewitz serves on the Board of Directors for the Northeast Power Coordinating Council (NPCC) and chairs the NPCC Board’s Pension sub-committee.



KENDRA SHEEHAN

Director of Global Talent Management | Sensata Technologies

Kendra Sheehan is the Director of Global Talent Management at Sensata Technologies, one of the world’s leading suppliers of sensing, electrical protection, control and power management solutions, based in Attleboro, Massachusetts. During her 11-year tenure at Sensata Technologies, Kendra has worked in various Human Resources functions including Talent Acquisition, HR Business Partner, and, for the past 8 years, Talent Management. Her expertise is in the areas of performance management, talent management, leadership development & programs, competency frameworks, training facilitation, Workday Talent, and learning. She has served as a Board member for Sensata’s Attleboro Women’s Initiative Employee Resource Group for the past 5 years and is currently the Chair for Sensata’s US Regional DEI Council and Sensata’s Sales & Marketing Council.

Kendra graduated from the University of Central Florida with a B.S. in Psychology and a M.S. in Industrial/Organizational Psychology. She is also certified to interpret and leading training for DISC behavioral assessments.

FORUM SPEAKERS



NEENEE SHIN

Senior Manager, Diversity, Equity & Inclusion | Sensata Technologies

NeeNee Shin is the Senior Manager, Diversity, Equity & Inclusion at Sensata Technologies and has been at the company for less than a year. In her role, she serves as the global trusted advisor and senior advocate for DEI across Sensata, working with the Regional DEI Councils and Employee Resource Groups (ERGs). She manages Sensata's DEI strategy development and execution, collaborating locally and globally to enable a truly inclusive, engaged, and high-performance culture. She partners across HR and with managers and employees as they work to progress and implement innovative approaches and solutions in line with their strategic imperatives and DEI objectives. As a key focus area in our sustainability efforts, she also works lockstep with the Environmental, Social, and Governance (ESG) team to ensure we are powering possibilities through a culture that promotes inclusion and diversity.

NeeNee was previously at Motional where she served as the HR Program Manager for DEI, Engagement and Culture. Prior to that, she held roles at Goodwin Proctor in Learning & Development and DEI. She holds a Bachelor of Arts in Islamic and Middle Eastern Studies with a minor in Film, Television and Interactive Media from Brandeis University and a Master of Arts in Teaching, Secondary Social Studies from Boston University's Wheelock College of Education & Human Development. NeeNee also is an active volunteer and mentor with Hack.Diversity and City Year Boston.



JULIE SMITH

Senior Research Physicist | Air Force Research Laboratory (AFRL)

Julie Smith is a Senior Research Physicist for the Air Force Research Laboratory (AFRL), Space Vehicles Directorate. She also serves as the lasercom strategy lead for the directorate. Julie received her Master's degree in Physics from the University of New Mexico (UNM) in 2008 and is currently pursuing her PhD in Electrical Engineering from UNM. After graduation in 2008 Julie began working for AFRL's Directed Energy Directorate at Starfire Optical Range. For 7 years in the Directed Energy Directorate, Julie worked on advances in atmospheric propagation, atmospheric modeling and simulation, MEMS technology, adaptive optics, quantum communications and optical communications. During her time in Directed Energy, she published numerous papers on atmospheric propagation and was an active member in the Optical Society of America, OSA. In 2015, Julie moved to AFRL's Space Vehicles Directorate where she leads the Space Communications Technical Area to advance technologies for space-based communication and Position, Navigation and Timing (PNT) systems. Julie is a SME for multiple Department of Defense organizations and works across the enterprise to develop and transition communication and PNT technologies.



LATASHA STARR

Executive Director | ESTe²M Dreamers

LaTasha T. Starr's innovative academic and professional approach to Engineering and Science provided her unique research opportunities with NASA Ames, Jet Propulsion Laboratory (JPL), The Boeing Company and the Centro de Astrobiología (SPAIN), all before beginning her career as a Systems Engineer for Lockheed Martin Space Systems Company (LMSSC). As a Software Systems Engineer on the GOES-R/SUVI program, she was responsible for the design, fabrication, testing and validation of solar telescopes used to monitor the sun's activity. During her time as Risk Manager on the GMD proposal effort, she refined her risk and opportunity assessment skills and confirmed her ability to lead in challenging situations.

Mrs. Starr is the Executive Director of ESTe2M Dreamers, a non-profit organization that strives to improve the academic success rate of local youth by providing opportunities for STEM-focused summer camps, tutoring and after-school programs. Her passion for STEM education is evident through her professorship at Dallas College, San Juan College and Texas A&M University, where she not only teaches Engineering, but also paves the way for student internship collaborations.

FORUM SPEAKERS



KRISTY SWEGHEIMER

Chief Human Resources Officer | Qualus

Kristy Swegheimer serves as Chief Human Resources Officer for Qualus and is a member of the company's executive management team. She oversees all aspects of HR strategy and execution, leading Talent Acquisition, employee and industry-facing Training and Development, Compensation and Benefits, and HR Operations. In addition, she has been instrumental in creating successful strategies for organizational design and employee retention as multiple companies have integrated under the Qualus brand. Purpose and people driven, she is recognized for her expertise in aligning strategy, capabilities, people, and culture to deliver results and accelerate growth. Kristy also fosters a "one team approach" as well as a continuous learning culture that fuels innovation, curiosity, and agility.

Before her time with Qualus, Kristy served as Director of Human Resources for Newport Group, a financial services organization. She successfully led multiple company mergers and acquisitions while providing a clear integration strategy for its leadership. Kristy holds a Senior Professional in Human Resources (SPHR) certification.



JULIA TAYLOR

Director of Outreach | INCOSE International

Early in her career Dr. Taylor worked in technical roles in a number of technology companies including Intel, Acurex and Buckman Laboratories. She then became interested in helping companies adapt to changing technologies and improving their approach to business and formed Taylor Success Systems consultancy to address this need. Her background includes degrees in Chemistry and Electronics, plus an MBA in business and also a doctorate degree in Strategic Management. Currently, she serves as Director of Outreach for INCOSE International, the Systems Engineering organization, and Director of Chapter Development for the San Diego Chapter of INCOSE. She represents the INCOSE local chapter on the San Diego County Engineering Council. She participates in IEEE and the American Chemical Society.

She has written and presented a number of technical papers, as well as three business books. She currently works as a Management Consultant helping companies to diagnose problems and implement innovative new solutions. Her current emphasis is on systems approaches and using systems thinking to achieve long term business success.



KRISTY SWEGHEIMER

Chief Human Resources Officer | Qualus

Kristy Swegheimer serves as Chief Human Resources Officer for Qualus and is a member of the company's executive management team. She oversees all aspects of HR strategy and execution, leading Talent Acquisition, employee and industry-facing Training and Development, Compensation and Benefits, and HR Operations. In addition, she has been instrumental in creating successful strategies for organizational design and employee retention as multiple companies have integrated under the Qualus brand. Purpose and people driven, she is recognized for her expertise in aligning strategy, capabilities, people, and culture to deliver results and accelerate growth. Kristy also fosters a "one team approach" as well as a continuous learning culture that fuels innovation, curiosity, and agility.

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FORUM SPEAKERS

**SHERE TUCKEY**

Branch Chief | Air Force Research Laboratory

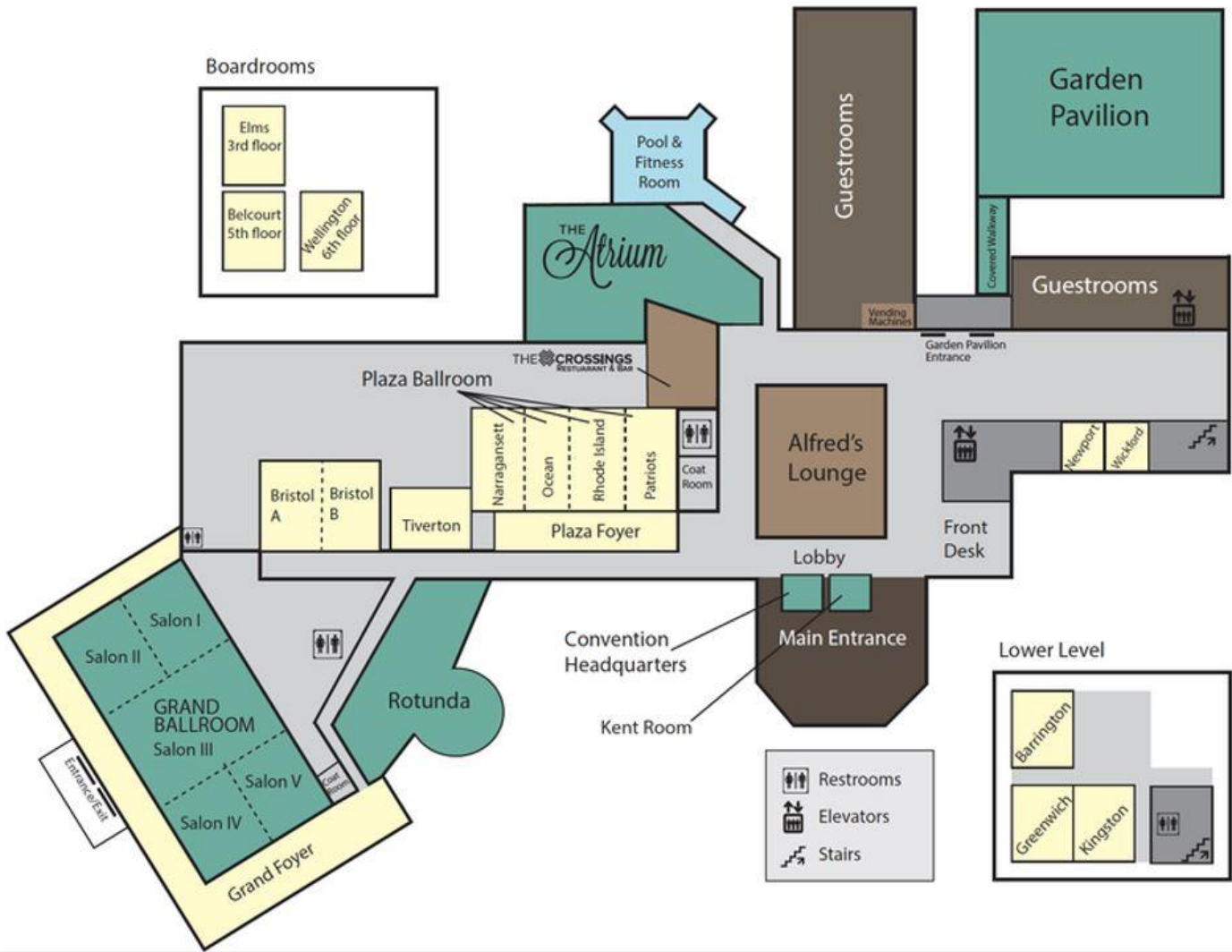
Shere Tuckey is a Branch Chief in the Air Force Research Laboratory, Munitions Directorate, Eglin Air Force Base, Florida. She is responsible for advocating, planning, budgeting, organizing, and directing the execution of a high-priority portfolio as well as direct supervision and management of all personnel within the branch. Over the last twenty-nine years, she has managed twelve different teams across many engineering disciplines from shock physics experimentation to weapon effects modeling and simulation. Throughout her career she has been actively involved in internship programs and has served as a civilian recruiter. In addition, Ms. Tuckey has taken a special interest in leadership, mentoring, and helping teams communicate effectively. After being asked to serve as the Dean of Leadership for the Munitions Directorate workforce development program, she became certified to teach the Crucial Conversations® course as a foundational element of leadership development. She has taught five highly rated classes to high level managers, junior employees, and everyone in between. The positive feedback received from these classes and the course's universal applicability, has motivated Shere to share this knowledge in as many forums as possible.

**AMANDA WEISSMAN**

Software Architecture Manager | Lockheed Martin

Amanda Weissman is a Software Architecture Manager for Lockheed Martin. She is based at the US Navy Software Factory, the Forge, in College Park, MD where she works collaboratively with government, industry, and academia developing combat capabilities for the Surface Navy. Weissman has a technical background in command and control, radar systems, software/system architecture, and model-based systems engineering. Weissman is an LM Qualified Systems Architect and a Six Sigma Green Belt. She is a member of IEEE and INCOSE and currently serves as a Society of Women Engineers Senator. Weissman earned her Bachelor's degree in Electrical Engineering and Master's degree in Materials Science and Engineering from Rochester Institute of Technology (RIT) and Master's degree in Systems Engineering from the University of Pennsylvania. Weissman serves on multiple alumni advisory boards for RIT and is a Girl Scout Troop Leader.

HOTEL CONFERENCE ROOM LAYOUT



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