



7:00 am - 8:45 am	Registration/Breakfast			
8:45 am - 9:00 am	Welcome and Logistics <i>Dr. Rogier Blom, Mission Leader - Breakthrough Products, GE Vernova</i>			
9:00 am - 9:30 am	Opening Remarks <i>Dr. Matthias Kasten, Technology Manager - Embedded Systems & Cybersecurity, GE Vernova</i>			
9:30 am - 10:00 am	Delivering the Trusted Foundation to Accelerate Innovation <i>Amanda Blevins, VP and CTO, Americas, VMware</i>			
10:00 am - 10:30 am	Enhancing Resilience in Critical Infrastructure <i>Dr. David Mussington, Executive Assistant Director - Cybersecurity & Infrastructure Security Agency (CISA)</i>			
10:30 am - 11:00 am	Break/Networking/Demos			
11:00 am - 11:30 am	Reimagining Remote Operations <i>Devin Martin, Senior Director - Wind Turbine Engineering, NextEra Energy Resources</i>			
11:30 am - 12:00 pm	Fast Following to SMART Health <i>Dr. Michael Hasselberg, Chief Digital Health Officer - University of Rochester Medical Center</i>			
12:00 pm - 12:30 pm	Real World Private 5G: The Foundation of Innovation <i>Gina Otts, Director of Product Engineering - Verizon</i>			
12:30 pm - 1:30 pm	Lunch			
1:30 pm - 3:15 pm	Steinmetz	Lyceum	CR4/CR5	CR1
	Security and Resilience in Cyber-Physical Systems (Masoud Abbaszadeh)	Innovating with Robot Autonomy 1 (Charles Theurer)	Post Quantum Cryptography: Getting Ready for the Transition (Bill Smith)	Aerospace Sustainability & Climate Science (Jerry Cline)
	Cyber Strategies, R&D Priorities, and Securing the Clean Energy Transition <i>Cheri Caddy (White House)</i>	Soft Material Robotics and Next-Generation Surgical Robots <i>Sheila Russo, Ph.D. (Boston University)</i>	Migration to Post-Quantum Cryptography <i>William Newhouse (NIST / National Cybersecurity Center of Excellence)</i>	ARPA-E Energy & Emissions at the EDGE <i>Peter de Bock (ARPA-E)</i>
	Confidential Computing: Data Integrity and Confidentiality at the Edge <i>Dave Singh (Intel)</i>	Agile, Robust, and Multifunctional Micro-aerial-robots Powered By Soft Artificial Muscles <i>Kevin Chen (MIT)</i>	CNSA 2.0: Quantum Resistant Algorithms for National Security <i>Adrian Stanger (NSA)</i>	Enabling Zero-impact Aviation <i>Sebastian Eastham (MIT)</i>
	AI Powered Convergence of IT and OT Security <i>Quanyan Zhu (NYU)</i>	Enabling Robots To Function in Complex and Unstructured Environments <i>Tommaso Ranzani (Boston University)</i>	Post-Quantum: Grabbing the Low Hanging Fruit <i>Anthony Hu (wolfSSL)</i>	Addressing Contrail Climate Impacts through Aviation Planning & Operations <i>Marc Shapiro (Breakthrough Energy)</i>
	How Can Cloud Computing Help Build and Manage Cyber Security and Resilience of Cyber Physical System <i>Ryan Dsouza (AWS)</i>	Adaptive Robotic Controls for Unstructured Environments <i>Harneet Singh (ThoughtForge)</i>	Applied Post-Quantum Signing <i>Louis Devaney (GE Vernova)</i>	Understanding the Formation and Evolution of Particles and Contrails in Aircraft Exhaust Plumes <i>Fangqun Yu (University of Albany)</i>
	Cybersecurity of Power Grids: Research Challenges and Expectations <i>Marthe Kassouf (Hydro-Québec Research Institute)</i>	Technology Incubation: Commercializing Research through Investor Partnerships <i>Limor Spector (GRC Incubation Team)</i>	Differential Testing of HTTP Implementations <i>Ben Kallus (Dartmouth College)</i>	Turbine Electrified Energy Management with Model Predictive Control <i>Elyse Hill (NASA PAL)</i>
3:15 pm - 4:00 pm				



3:15 pm - 4:00 pm				
Break/Networking/Demos				
	Steinmetz	Lyceum	CR4/CR5	CR1
4:00 pm - 5:45 pm	Navigating a Technical Regulatory Landscape (Rob Garry)	Optimization in Controls (Fernando D'Amato)	Green & Industrial Safe AI (Scott Evans)	Virtualization (Paul Caffrey)
	OEM Customer Security Kevin Yoo (GE Vernova)	Wind Farm Modeling & Control For Power Grid Support Dennice Gayme (John Hopkins)	Causality for Green AI Alan Flohr & Michael Weidman (Causalens)	Edgenuity: Edge Inference @ Scale, Harder than it Looks Jeff White (Dell Technologies)
	Power Security Future Landscape Tim Janssen (GE Vernova)	Controlling Information Mixing and Optimality for Distributed Decision Making Murti Salapaka (Univ. of Minnesota)	Cost-aware Machine Learning: Balancing Accuracy and Acquisition Costs Daphney Stavroula Zois (SUNY Albany)	Edge Device Management via susietec® K-PORT IoT-Bundle Jack London (Kontron)
	SBOM Insights from GE Gas Power's Task Force Jeremy McKeown (GE Vernova)	Advanced Controls for Gas Turbines John Raffensperger (GE Vernova)	Safe Learning for Dynamical Systems and Control Santiago Paternain (RPI)	Approaches to Edge Management Bruce Matsugu (GE Digital)
6:00 pm - 6:30 pm	Panel Discussion: SBOM Hannah Kleinheider (INL) Wiseman Monty (Beyond Identity) Bryan Owen (Aveva) Moderated by Rob Garry	Radar-based Wake Controls for Reducing the Levelized Cost of Energy In Offshore Wind Farms Rodrigo Lopez Negrete (GE Research)	Scalable Automated Deep Ensemble for Uncertainty Quantification in Scientific Machine Learning Prasanna Balaprakash (ORNL)	Moving Target Defense and Containerization for Operational Technology Networks Adrian Chavez (SANDIA)
		Probabilistic Inverse Modeling with Invertible Neural Network Sayan Ghosh (GE Research)	Geometry of Learning Peter Tu (GE Research)	From Vision to Reality: Applying Edge to Onshore Wind Clemens Woeste (GE Vernova)
6:00 pm - 6:30 pm Shuttle Ride to Rivers Casino				
6:30 pm - 10:00 pm Reception at Rivers Casino				

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7:00 am - 8:00 am	Registration/Breakfast			
8:00 am - 8:30 am	Keeping the Lights On — Collective Defense for a Dynamic Threat Landscape <i>Matthew Duncan, Director of Intelligence - Electricity Information Sharing & Analysis Center (E-ISAC)</i>			
8:30 am - 9:00 am	The Impact of Generative AI on Physical and Cyber Systems <i>Kyle Jones, Sr. Manager Solution Architect - Energy and Utilities, Amazon</i>			
9:00 am - 9:30 am	A Vision for the Future of Wind: The Intelligent Eco-Conscious Wind Turbine <i>Prof. Dr. Carlo Luigi Bottasso, Chair of Wind Energy, Founding Institute Director - Technical University of Munich</i>			
9:30 am - 10:00 am	Break/Networking/Demos			
10:00 am - 10:30 am	Recent Advances of Industrial AI for Smart and Resilient Industrial Systems <i>Prof. Dr. Jay Lee, Clark Distinguished Professor & Director of Industrial AI Center - University of Maryland, WEF Global Future Council on Advanced Manufacturing and Value Chain</i>			
10:30 am - 11:00 am	Fusing Machine Learning and Optimization for Energy Systems <i>Prof. Dr. Pascal Van Hentenryck - Georgia Institute of Technology</i>			
11:00 am - 11:30 am	The Future of Advanced Research for GE Vernova, GE Aerospace, and GE Healthcare <i>Matt Guyette - Director of GE Vernova Adv. Research, Joe Vinciguerra - Director of GE Aerospace Adv. Research, and Martin Brown - Director of GE Healthcare Adv. Research</i>			
11:30 am - 12:30 pm	Lunch			
12:30 pm - 2:15 pm	Steinmetz	Lyceum	CR4/CR5	CR1
	Critical Infrastructure Cybersecurity (Matt Nielsen)	AI for Healthcare (Jhimli Mitra)	Controls & Optimization for Complex Systems (Adi Kumar)	5G/Next-G for Industrial Applications (Mike Mahony)
	Advancing Electric Grid Cybersecurity with Cyber-Physical Analysis <i>Shamina Hossain-McKenzie (Sandia National Laboratory)</i>	AI empowered operations of X ray CT <i>Ge Wang (RPI)</i>	Solving the ACOPF problem <i>Daniel Bienstock (Columbia University)</i>	5G/PLTE Use Cases for Critical Infrastructure <i>Justin Smith (GE MDS)</i>
	Adopting a Zero Trust Mindset for Securing Industrial Environments <i>Christopher Blauvelt (Fortinet)</i>	Do You See What I See? - Improving AI Decisions using Clinical Domain Knowledge <i>Prateek Prasanna (Stony Brook University)</i>	Enhancing Power Grid Operations with Machine Learning and Data Science <i>Yury Dvorkin (Johns Hopkins)</i>	5G and Satellite Convergence for Industrial Applications <i>Rajarathnam Chandramouli (Spectronn)</i>
	DER Proliferation: Turning Cyber Challenges into Opportunities <i>Jordan Henry (NREL)</i>	AI in CT: A data-driven revolution <i>Bruno De Man (GE ResHealthcare)</i>	Topology Reconstruction of Power Networks from Time-Series Data: Static and Dynamic Generative Models <i>Prof. Murti Salapaka (Univ. Of Minnesota)</i>	AI Empowered Secure, Scalable, Trustworthy Edge Computing for NextG Networks <i>Sachin Shetty (Old Dominion University)</i>
	AFRL/RI Future Cyber Vision and Priorities <i>Erich Devendorf (Air Force Research Laboratory)</i>	Artificial Intelligence application on Point of Care Ultra Sound <i>Radhika Madhavan (GE Healthcare)</i>	Grid Shaping Control for High-IBR Power Systems: Stability Analysis and Control Design <i>Enrique Mallada (Johns Hopkins University)</i>	Augmented Waveforms for Next-G Wireless Networks <i>Hany Elgala (University of Albany)</i>
	Model-driven Deception for Cyber-Physical System Resilience <i>Burhan Hyder (PNNL)</i>	AI Method to Diagnose Pulmonary Sarcoidosis. <i>Marc Judson (Albany Medical College)</i>	The Key Role of Extended AC OPF in Enabling Clean, Cost-Effective and Reliable/Resilient Services <i>Rupamathi Jaddivada (SmartGridz Inc.)</i>	Commercialization Considerations <i>Chuck Orcutt (Arrow Electronics)</i>
2:15 pm - 3:00 pm	Break/Networking/Demos			



2:15 pm - 3:00 pm Break/Networking/Demos				
	Steinmetz	Lyceum	CR4/CR5	CR1
3:00 pm - 4:45 pm	SmartGrid, IoT and the EDGE (Michael Englert)	Controls + AI (Fred Wheeler)	OT Cybersecurity (Paul Staudinger)	Innovating with Robot Autonomy 2 (William Tan)
	Hybrid PV Plant (PV + Storage) Scheduling Algorithm <i>Ziang "John" Zhang</i> (Binghamton University)	Differentiable Programming for Modeling and Control of Energy Systems <i>Jan Drgona</i> (PNNL)	GE Digital Grid's Zero Trust Journey with GridOS <i>Matt Yourek</i> (GE Digital)	Human-robot Interactions to Support Seamless Collaboration In Performing Complex Manufacturing Task: Challenges, Opportunities, And Lessons Learned. <i>Miguel Saez</i> (General Motors)
	Edge-based Multi-gas Sensors: Anticipated and Unanticipated Advantages Over Last-century Sensor Designs <i>Radislav Potyrailo</i> (GE Research)	Controlling Complex Mechanical Systems using AI: Efficiency, Safety and Robustness <i>Sandipan Mishra</i> (RPI)	Cyber Risk Management for all Product Software Development <i>David O'Neill</i> (GE Vernova)	Adaptive Control and Automation in Robotic Arc Welding <i>Peng Wang</i> (University of Kentucky)
	Cybersecurity Situational Awareness for DER Networks <i>Manimaran Govindarasu</i> (Iowa State University)	Reinforcement Learning for Nuclear Fusion in Tokamaks <i>Jeff Schneider</i> (CMU)	Secure Manufacturing and Supply Chain Networks <i>Gabriella Ciocarlie</i> (CYMANII)	Topological Data Analysis in Motion Planning: Introducing the Minimal Path Violation Approach. <i>Ekenna, Chinwe</i> (University of Albany)
	Edge of Tomorrow / QNX Hypervisor and QNX 8.0 <i>James Parker</i> (Blackberry)	Data-Driven Digital Twinning of Offshore Wind Turbines Using AI <i>Babak Moaveni</i> (Tufts University)	Impact Based Cyber Risk Assessments: The Physics of Failure <i>Joseph Hughey</i> (GE Vernova)	Towards Certified Autonomy in Aviation <i>John-Paul Clarke</i> (The University of Texas at Austin)
	Amplifying profitable value from deployed IoT products <i>Chris Gorog</i> (BlockFrame)	Wind Farm Control <i>Michael Sinner</i> (NREL)	Next Level Cybersecurity with IEC 62443 <i>Bill Cygielnik</i> (GE Vernova)	Towards Soft Robotics for Confined Space Access: Challenges and Possibilities <i>Trivedi, Deepak</i> (GEAR)
	4:45 pm - 5:00 pm Photo			
5:00 pm - 5:30 pm Wrap Up & Awards <i>Justin John, Technology Director - OT-Cybersecurity, GE Vernova</i>				
5:30 pm - 8:00 pm Gallery Reception				

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7:00 am - 9:00 am	Registration/Breakfast	
9:00 am - 12:00 pm	Lab Tours Meeting Location: Main Entrance Lobby Tour Start Times: 9:00 am, 10:00 am, 11:00 am	Networking/Demos
	Robotics Lab Next Gen Industrial Robotics for Field and Factory Automation <i>John Lizzi, GE Vernova</i>	Networking/Demos
	Climate Action at GE (CAGE) Lab Sorbent Based Carbon Capture <i>Dr. Dave Moore, GE Vernova</i>	
	Aerospace Spin Facility Bearing, Gearbox, and Rotor Systems for Next Gen Propulsion <i>Kyle Snow, GE Aerospace</i>	
	Advanced Manufacturing Lab Additive Manufacturing for Breakthrough Product Performance <i>Dr. Waseem Faidi, GE Aerospace</i> <i>Dr. Dhanushkodidurai Mariappan, GE Vernova</i>	
	Cleanroom Inertial Navigation & Harsh-Environment/High-Power Systems <i>Stacey Kennerly, GE Aerospace</i> <i>Dr. Arun Gowda, GE Aerospace</i>	
	Combustion Lab Decarbonizing Industrial Gas Turbines <i>Dr. Lana Osusky, GE Vernova</i>	
12:00 pm	Adjourn	

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