



Southern Maryland Regional Quantum Forum Program

Time	Session
8:30 – 9:00 AM	Registration and Networking Breakfast
9:00 – 9:15 AM	<p>Call to Order and Welcome</p> <ul style="list-style-type: none"> • Ms. Ellen Flowers-Fields, Vice President of Continuing Education and Workforce Development, College of Southern Maryland • Dr. Yolanda Wilson, President, College of Southern Maryland
9:20- 9:55 AM	<p>Keynote Presentation: Quantum Demystified</p> <ul style="list-style-type: none"> • Dr. Corey Stambaugh, Director of Capital of Quantum Initiative <p><i>Through the Capital of Quantum, Maryland is solidifying its role as a national leader in quantum research, innovation, and commercialization. This keynote will outline what quantum encompasses, why it matters, and how the state is building the partnerships that keep Maryland ahead—across technology, talent, and economic growth.</i></p>
10:00 – 10:55 AM	<p>Quantum Now and Preparing for New Mexico’s Future</p> <ul style="list-style-type: none"> • Dr. Tracy Hartzler, President, Central New Mexico Community College • Dr. Brian Rashap, Quantum Director, Central New Mexico Community College • Dr. Bernice Brezina, Interim Vice President, Division of Learning, College of Southern Maryland- Moderator <p><i>Central New Mexico Community College is a leader in preparing the next generation of quantum workers. Hear how they have strategically balanced the needs of their local employers and leveraged their resources to build the pipeline of talented quantum technicians.</i></p>
11:00 – 11:10 AM	Stretch Break
11:10 – 11:50 PM	<p>Building Bridges Between Quantum and the State’s Lighthouse Sectors</p> <ul style="list-style-type: none"> • Mr. Ricardo Benn, Deputy Secretary, Maryland Department of Commerce • Ms. Kimberly Mentzell, Director of Cybersecurity and Emerging Technologies, Maryland Department of Commerce • Dr. Matthew Cimino, Senior Manager of Business Development, Life Sciences, Maryland Department of Commerce • Dr. John Paul Sawyer, Director of Strategic Research Initiatives for the University of Maryland -Moderator <p><i>Quantum is an enabling technology that has the potential to impact various industries. This cross-sector conversation will feature leaders from Maryland’s priority industries, such as biotechnology, semiconductors, defense, and energy. Panelists will discuss how quantum will integrate with and advance these sectors.</i></p>

<p>12:15 – 1:15 PM</p>	<p>Concurrent Breakout: Is Maryland Prepared for Quantum?</p> <ul style="list-style-type: none"> • Dr. Josh Grossman, Quantum Physicist, Naval Air Warfare Center Aircraft Division • Dr. Brandon Wilfong, Assistant Professor of Science, College of Southern Maryland • Dr. Rick Muller, Vice President, Quantum Systems, IonQ • Dr. Dale Moore, President, Southern Maryland Navy Alliance - Moderator <p><i>What does it take to move quantum technology from the lab to the marketplace? This session explores strategies to raise awareness, invest in education, and build partnerships that support commercialization and workforce readiness in Maryland.</i></p>
<p>12:15 – 1:15 PM</p>	<p>Concurrent Breakout: Community College’s Role in Developing Quantum Workforce Pathways & Skillsets</p> <ul style="list-style-type: none"> • Ms. Ellen Flowers-Fields, Vice President of Continuing Education and Workforce Development, College of Southern Maryland • Dr. Minah Woo, Vice President of Workforce, Innovation, and Strategic Partnerships, Howard County Community College • Dr. Kelly Koermer, Vice President of Workforce, Business, and Community Education, Carroll County Community College • Mr. Tony Stout, Interim Dean, School of STEM and Professional Studies, College of Southern Maryland • Dr. Brad Phillips, Executive Director, Maryland Association of Community Colleges - Moderator <p><i>As demand grows for quantum-enabled skills, community colleges are essential to developing accessible, scalable workforce solutions. This session will explore current efforts across Maryland’s community colleges to align curriculum, credentials, and partnerships that prepare students for careers in the quantum ecosystem.</i></p>
<p>1:30 – 2:30 PM</p>	<p>Concurrent Breakout: Enabling Technologies & Quantum Adjacent Activities</p> <ul style="list-style-type: none"> • Dr. Amanda Stein, CEO, Q-Cat • Dr. Rezlind Bushati, Co-founder and CEO, PhaseShift • Mr. Kevin Lascola, Director of Engineering, Thorlabs Quantum Electronics • Ms. Kimberly Mentzell, Director of Cybersecurity and Emerging Technologies, Maryland Department of Commerce - Moderator <p><i>Hear leading experts explore the supporting technologies—such as photonics, advanced materials, and cybersecurity—that make quantum applications possible. Panelists will highlight opportunities for Maryland’s ecosystem to participate in this rapidly evolving field.</i></p>

<p>1:30 – 2:30 PM</p>	<p>Concurrent Breakout: Physical Plant and Infrastructure Needs for Quantum Technologies</p> <ul style="list-style-type: none"> • Dr. Joe Brady, Chief Research & Development Officer, US Bomb Technician Association • Mr. Piotr Kulczakowicz, Quantum Startup Foundry Director • Mr. Shawn Malley, Principal, Stantec • Ms. Alissa McFarland, Principal, Stantec • Mr. Tom Sadowski, CEO and Executive Director, Maryland Economic Development Corporation • Mr. Paul Ruppert, Senior Commercial Development Manager, Charles County Economic Development Department (Moderator) <p><i>As Southern Maryland looks to encourage growth in quantum-enabled industries such as energetics, we also need to consider what unique physical needs they may have. This technical discussion will focus on the infrastructure required to support quantum labs, research centers, and industry adoption. Topics include facilities, clean rooms, and advanced equipment needs.</i></p>
<p>2:30 – 2:45 PM</p>	<p>Networking Break</p>
<p>2:45 – 3:30 PM</p>	<p>AI, Cybersecurity & Quantum</p> <ul style="list-style-type: none"> • Dr. Dave Tobey, Executive Director & Principal Investigator, National Cyberwatch • Dr. Paul Sparks, Assistant Professor, Information Technology, College of Southern Maryland • Dr. Rebecca Thomas, Interim Dean, Science, Engineering, and Technology, Montgomery College • Dr. Michele Masucci, Vice Chancellor for Research and Economic Development, University of Maryland - Moderator <p><i>This session explores the convergence of artificial intelligence, cybersecurity and quantum. Panelists will address why these technologies are deeply connected and how their integration will accelerate discovery and innovation.</i></p>
<p>3:45 – 4:00 PM</p>	<p>Final Reflections and Call to Action</p> <ul style="list-style-type: none"> • Ms. Ellen Flowers-Fields, Vice President of Continuing Education and Workforce Development, College of Southern Maryland