

## Dr. Georgianna Shea, Chief Technologist FDD



Dr. Georgianna 'George' Shea, Chief Technologist at the Foundation for Defense of Democracies (FDD) Center on Cyber and Technology Innovation and its Transformative Cyber Innovation Lab, is a visionary leader in cybersecurity with nearly 30 years of pioneering experience across federal and commercial sectors. Renowned for her ability to translate complex technical challenges into innovative security solutions, she has been instrumental in safeguarding critical national infrastructure. Dr. Shea is at the forefront of cybersecurity innovation, bridging the gap between technical complexity and business needs by spearheading the development and piloting of groundbreaking projects that tackle the

most pressing national security challenges and shape industry policies and security frameworks.

Dr. Shea has made significant contributions to the cybersecurity field, including her role on the cyber-physical resilience working group of the President's Council of Advisors on Science and Technology (PCAST), where she provided critical recommendations for safeguarding the nation's infrastructure. She also plays an integral role in the Global Resilience Federation's Operational Resilience Framework working group and actively contributes to the Cybersecurity and Infrastructure Security Agency's (CISA) SBOM and AI BOM initiatives. Dr. Shea's expertise is sought after across the industry, leading her to serve on the CyberWire Hash Table of experts and as an advisor to leading technology companies, including Cybeats, Rixon Technology, American Binary, and The Cyber Hero vCISO Network.

In addition to her professional achievements, Dr. Shea is a passionate educator and mentor, playing a critical role in developing the next generation of cybersecurity leaders through her teaching, mentorship, and guest lectures at leading institutions. She has served as an adjunct professor at institutions such as Colorado Technical University and the University of Maine at Augusta, where she provided innovative instruction and fostered academic success in cybersecurity programs. Additionally, Dr. Shea teaches at Fusion Cyber and has been a guest speaker at prestigious venues like the Cybersecurity at MIT Sloan (CAMS), Columbia School of International and Public Affairs, and the Center for Security and Emerging Technology at Georgetown University.

Dr. Shea holds a Doctor of Computer Science, a Master of Science in Computer and Information Sciences, and a Bachelor of Science in Computer Science. Her thought leadership is widely recognized, having published numerous papers and articles on advancing cybersecurity.

Dr. Shea's unwavering dedication to advancing cybersecurity, coupled with her deep commitment to national security as an Army veteran, makes her a formidable leader in the field. Her contributions to both academic and professional communities continue to drive the evolution of security practices, ensuring the protection and resilience of our nation's critical infrastructure.

Links:

<https://www.fdd.org/team/georgianna-shea/>

<https://www.linkedin.com/in/drgeorgeshea/>