



John is a Staff Research Scientist at Luna Innovations where he has worked since 2015. His 20+ years of experience in R&D enables novel applications of fiber optic sensing to aerospace, defense, energy, and other scientific fields. John led a NASA project to develop AI/ML anomaly detection for inflatable space habitat SHM. He currently leads an Army project to develop a silicon PIC for high-speed fiber Bragg grating (FBG) interrogation and also leads a Navy project to develop fiber optic pressure sensors to monitor the health of F-35 hydraulic flight actuators. John received his Ph.D. in Mechanical Engineering from Virginia Tech in 2011.