

THE ELECTRICAL & COMPUTER ENGINEERING
D I S T I N G U I S H E D
COLLOQUIUM

Hosted by Booz | Allen | Hamilton

FALL 2020 SERIES: FRIDAYS AT 3:30 PM



Quantum In The Wild

JD Dulny

PhD Physicist, Strategic Innovation Group

Booz Allen Hamilton

September 25, 2020 | 3:30-4:30 p.m.

Via Zoom, RSVP: go.umd.edu/dulny

Abstract: Quantum computing is a rapidly evolving field that's changing the world around us. In this talk, we'll explore quantum technology from an industry perspective and dive into the details of several of Booz Allen's advanced research projects. As a large technical consulting firm, Booz Allen plays a unique role helping large organizations with cutting-edge tech like quantum and AI. We'll discuss our perspective of how quantum is advancing "out in the wild" and what it means for the future. Dulny will discuss what it's like to be a scientist outside of academia and potential career paths in "life after school."

Bio: JD Dulny is a PhD physicist in the Strategic Innovation Group with a passion for finding ways to leverage data science and advanced technology to solve crucial client problems. He supports Booz Allen's clients with design and implementation of advanced analytics and state-of-the-art research to suit their mission needs. His focus is on injecting innovation into Defense and Intelligence spaces, with a special emphasis on Cyber.

JD leads Booz Allen's quantum computing research team. This group studies and applies cutting-edge quantum computing systems to solve problems in optimization, machine learning, and beyond. The team is actively supporting clients and have published and presented internationally on their work.

JD holds a PhD in computational physics from Penn State University, where he focused on experimental and large-scale Monte Carlo studies of complex surface phenomena. He completed his undergraduate studies at UMBC, also majoring in physics. He joined Booz Allen in 2014.

For more information, visit: www.ece.umd.edu/colloquium