CENTER OF EXCELLENCE IN
COMMAND, CONTROL, COMMUNICATIONS, COMPUTING, INTELLIGENCE, AND CYBER

GEORGE MASON UNIVERSITY

C⁴I & CYBER CENTER

2023 Research Review

Dr. Paulo C. G. Costa – Director

VOLGENAU SCHOOL MASON ENGINEERING

Where Innovation Is Tradition

Agenda

0930 – Welcome (*Dr. Paulo Costa*)

0940 – Rapid Prototyping Research Center Research Overview (*Dr. K. Raj Raghavan*)

1000 – Find Me If You Can: Uncovering and Protecting Anonymized Communication Channels (*Dr. Bob Simon*)

1020 – Information Acquisition in the Age of Large Language Models (*Dr. Ziyu Yao*)

1040 – Quantifying Cyber Security in Supply Chains and Advanced Manufacturing (*Dr. Paulo Costa*)

1100 – Forging a Path to the Future: Developing Alternative Navigation of Interplanetary Space Using Cosmic Thermal Radiation (*Major Pedro Albuquerque*)

1120 – Hardware for Secure Autonomy (*Dr. Tanvir Arafin*)

1140 – Improving Response to Traffic Accidents: Drones as First Responders (*Dr. Michael Hieb*)

1200 – Adjourn

Adjourn

Mission

To perform advanced research in defense, intelligence, and security-related applications in IT and Cyber; bridging cultural gaps and aligning requirements between government, industry, and academia.

Research Focus

Sensing & Fusion

Command Support

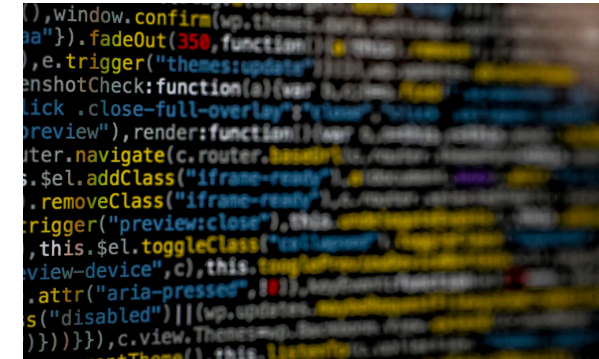**Communications and Signal Processing**

Information System Architectures

Modeling and Simulation

Distributed Education and Training

C4ISR & Cyber (civilian and dual use)