Professor William "Bill" Roeting, CAPT, USN (Ret)
Director - National Security Programs
Founding Director Emeritus - Rapid Prototyping Research Center

As the Director - National Security Programs Professor Roeting has taken on this newly established position to form an Industry/University Cooperative Research Center for Mason under the National Science Foundation (NSF). The principal focus will be Artificial Intelligence applications/services enabled by 5G/Next G capabilities. Formerly, Professor Roeting was the Director – Rapid Prototyping Research Center (RPRC) which focused on battlefield networking for air, ground, surface, and Cyber forces through the integration of new and innovative technology into existing DoD /IC infrastructure. Over the last 5 years, RPRC received over $400M in research contracts.

Previous Positions in Appointments / Academic Degrees
- Director of East Coast Operations for Special Programs, Hughes Space and Communications Co.
- Director, Naval Space Systems to include the TENCAP Office, United States Navy
- MS Degree, Space Systems Operations, Naval Postgraduate School, Monterey, CA, USA
- BA Degree, Mathematics & Computer Science, Lock Haven University, Lock Haven, PA, USA

Key Interests
Rapid Prototyping | Battlefield Networking | Communications Networking Interoperability | Defense Information System Technology | Mobile Communications | 5G/Next G

Contact
Tel: 412.716.4189
Email: wroeting@gmu.edu

Background

Professor Roeting is a former Naval Aviator with 26 years of service and over 6000 flight hours. He has flown attack, fighter, and transport aircraft as well as served as a Commanding Officer of Naval Aviation squadrons. His last tour of duty was at the Pentagon where he served as the Director, Naval Space Systems that included the TENCAP Office. In that capacity, then CAPT Roeting oversaw all the Navy's UHF, SHF, and EHF satellite programs and related ground infrastructure & terminals as well as the Tactical Exploitation of National Capabilities (TENCAP).

In the private sector, Professor Roeting has held many senior executive positions to include the Director of East Coast Operations for Special Programs for the Hughes Space and Communications Company. He later transitioned to the mobile communications industry where he held executive positions as Senior Vice President and Chief Operations Officer for several companies.

Research Biography:

Professor William "Bill" Roeting, CAPT, USN (Ret) is a Research Professor at the George Mason University and Director of National Security Programs. Prior to his current appointment, Professor Roeting founded the Rapid Prototyping Research Center (RPRC) which focused on the integration of new and innovative technology into existing DoD/IC systems which reduced the time to deliver new capabilities to 1-3 years at significate cost savings which always ensured that the warfighter was getting the latest technologies on the battlefield. Current and former sponsors are within the Department of Defense (DoD) and the Intelligence Community (IC). For nearly 15 years, Professor Roeting's body of research encompasses battlefield communications networking interoperability with a specific focus on Special Operation Forces (SOF) and Joint Terminal Attack Controllers (JTACS).

Recognizing the value in advanced education in these highly technical areas, Professor Roeting has led an effort to establish the Defense Information System Technology (DIST) curriculum at George Mason University. The DIST curriculum has been established within the Bachelors of Applied Sciences (BAS) and Bachelors of Individualized Studies (BIS) degree programs with several concentrations.

Current Projects

- Establish and Industry/University Cooperative Research Center (IUCRC) and Engineering Research Center under the National Science Foundation (NSF).