

Mark S. Adams

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Mark Adams is a graduate of Johns Hopkins University Advanced Physics Laboratory with a Masters of Science in Electrical Engineering (MSEE). Mr. Adams is currently on staff working for the Vice President Technology and Engineering Group (TEG) of Northrop Grumman Information Systems (NGIS) Sector Dr. Neil Siegel. Mr. Adams designs complex network and communications architectures in support of critical Northrop Grumman customer requirements. He has more than twenty eight years experience in the design, development, and integration of complex communication and sensor system architectures, including mobile broadband, underwater systems, satellite systems, and most recently tactical wireless networks.

In 2000, Mr. Adams joined Northrop Grumman TASC to pursue business opportunities developing new broadband communications architectures for government customers. As a member of the TASC team he worked in the R&D program to develop new mobile wireless systems designs for improving federal, state, and local data mission operations. His research has led to, among other significant projects, the development of the Citywide Mobile Wireless Network for public safety in New York City (NYCWiN), the first private mobile broadband system of its type in the world.

Mr. Adams served as Northrop Grumman Corporation's representative to the Wireless Communications Association International (WCA) Executive Committee. In addition, Mr. Adams has spoken to large industry and customer groups (IWCE, APCO, AFCEA, etc.) on topics ranging from spectrum policy to technical communication architectures. Mr. Adams presently serves as Northrop Grumman lead sector architect for communications systems ranging from Public Safety systems to Department of Defense communications. Recently, Mr. Adams served as the NPSTC Broadband Working Group (BBWG) Security Task Group (STG) lead, working to define requirements for security of the future public safety broadband network (FirstNet).

As a complement to his work in communications he also developed significant experience with the cyber threats and technology impacting future communications. Mr. Adams recently assisted the Northrop Grumman Intelligence Systems Division with the deployment of a United Kingdom Federated Cyber Range. This cyber simulation platform provides critical resources to Northrop Grumman and their customers in Europe as well as NATO partners with development of important cyber security architectures and technologies impacting their networking and communication systems.

Current Interest Areas:

- Performance and analysis of candidate high speed wireless technologies (LTE, WiMax, OFDM, WiFi, UMTS, CDMA, etc.)
- Cyber & Wireless Security architectures and platform requirements (both mobile and fixed)
- Applications integration into high-speed mobile networks
- Spectrum and public policy impacting Homeland Security