

## Robert F. Brammer

Vice President for Advanced Technology  
Northrop Grumman Information Systems



Dr. Robert F. Brammer is vice president for advanced technology for Northrop Grumman's Information Systems (IS) sector. In this role, he is responsible for the overall technology strategy and Independent Research and Development programs, technology and research partnerships, technical talent development and intellectual property management. Current major IS sector technology investment areas include advanced wireless, satellite and optical networks, information operations and security engineering, command and control systems, human factors in system design, large-scale information and knowledge management, high performance computing and networking applications, weather and climate modeling, public health, bioinformatics, geospatial technology, enterprise systems and managed services, service-oriented architectures, and software and enterprise architecture.

He previously served as the vice president for advanced technology and quality and as chief technology officer (CTO) for Northrop Grumman's Information Technology (IT) sector. In that role, he was responsible for the sector's technology strategy and investments, solution architecture and technology oversight on major programs and proposals, and for quality management throughout the sector. He also managed the IT sector's Technical Fellows program and Technical Mentoring program, recognizing and developing the sector's top technology talent.

Prior to assuming IT sector responsibilities, Dr. Brammer worked for TASC, an advanced technology business unit of the IT sector, serving as its CTO and, previously, as director of its physical sciences division. In his CTO position he was responsible for TASC's technology strategy and investments and also worked on a dual assignment as the CTO for Primark, a previous TASC parent corporation, where he led technology infusion from TASC into Primark's global financial information businesses, emphasizing telecommunications, web technology, security and analytics. In his director role, Dr. Brammer led numerous research and development programs in high-performance computing, digital image processing and geophysical sciences for programs within the U.S. national security community. He also led the development of the first commercial weather satellite ground station, as part of a real-time commercial weather information business.

Before joining Northrop Grumman, Dr. Brammer was with NASA where he worked on Apollo and Skylab with a focus on real-time software for tracking, command, telemetry, and communications.

Dr. Brammer has a bachelor's degree in mathematics from the University of Michigan and master's and doctoral degrees in mathematics from the University of Maryland. He is a member of Phi Beta Kappa and Phi Kappa Phi and is a Woodrow Wilson Fellow. He received achievement awards for work on the Apollo program and for principal investigator research on NASA and NOAA satellite remote-sensing programs. He is a fellow of both the Society of Photo-Optical Instrumentation Engineers and the American Meteorological Society. He is also a senior member or member of

# Biography

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several other professional societies, including the IEEE, MAA, SIAM, SMPTE and AGU. Dr. Brammer has published numerous scientific and technical research papers.

He has served on advisory boards for the Defense Department's Defense Science Board, the National Academy of Sciences, the Naval Studies Board, the National Science Foundation, the University Corporation for Atmospheric Research and NASA. He is also a member of the External Relations Council for the Internet2 Consortium, the Virginia governor's Broadband Roundtable, and the board of visitors for the College of Computer, Mathematical and Physical Sciences at the University of Maryland. Dr. Brammer was recently named by *Security Magazine* as one of the 25 most influential people in the security industry and by *ExecutiveBiz* as one of the top ten CTOs in the Greater Washington area to watch in 2009.