

# MILCOM:08

ASSURING MISSION SUCCESS

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## Ralph Martinez

### Dr. Ralph Martinez, Ph.D.

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Dr. Ralph Martinez is chief scientist and technical fellow at BAE Systems, Network Systems, CTN, in Reston, Va. As chief scientist for CTN, he supervises and conducts research on IRAD projects internal to CTN and applies research results to new software and hardware products.

Dr. Martinez has extensive experience directing and managing R&D projects within academia, government agencies, Department of Defense (DoD) labs, and industry in the areas of optical networking, protocol engineering, modeling and simulation, mobile ad hoc network protocols, waveform networking, cognitive networks, and security systems.

Dr. Martinez has more than 30 years experience in research and development (R&D) and has led R&D groups at GDE Systems, SAIC, and BAE Systems, Naval Ocean Systems Center (NOSC) and the Information Systems Engineering Command (ISEC). While at GDE, he was the lead system engineer for the development of the Global Positioning System, Phase II. He participated in the following standard activities: IEEE 802.3/4 Committee (1979–1984), ACR-NEMA DICOM Committee (1985–1992), OMG CORBA-Med working group (1994–1996), OMG Task Force on Software Based Communications (SBC) (2004–present), DoD GIG QoS/CoS Working Group (2002–2005), and IEEE SCC41 Next Generation Radio and Spectrum Management.

Dr. Martinez has more than 150 publications in conferences and journal on computer networking and applications. He served as a professor in computer engineering at the University of Arizona (UA) for 21 years, as director of the Computer Engineering Research Laboratory, and retired in 2005. Dr. Martinez holds the position of Associate Professor Emeritus in the ECE department at UA.