

# MILCOM:08

ASSURING MISSION SUCCESS

November 17–19 San Diego Convention Center



## Dr. David McElroy

### David McElroy

MIT Lincoln Laboratory

Dr. David McElroy is Leader of the Advanced Satcom Systems and Operations Group at the Massachusetts Institute of Technology Lincoln Laboratory. Since joining the Laboratory in 1972, he has been involved in the analysis and synthesis of communications and radar systems as well as with the design, implementation, test and technology transition activities associated with a variety of enabling communications satellite technologies.

Dr. McElroy has served as Lincoln's Program Manager for the FLTSAT EHF Package (FEP), an on-orbit proof-of-concept demonstration of the technologies critical for DoD's highly protected MILSTAR Satcom system. His current responsibilities include managing the Laboratory's activities pertinent to the next generation (Advanced EHF Satcom – AEHF) and generation-after-next (Transformational Satcom – TSAT) wideband protected Satcom systems. The latter is a cross-discipline effort leveraging optical, protected bandwidth efficient signaling, and packet switching/routing technologies for a robust "Internet in the sky" capability. He has contributed to and managed projects sponsored by the Air Force, Army, Navy, DARPA, DISA, NSF, and other government agencies.

Dr. McElroy received the bachelor's, master's, and doctorate degrees in electrical engineering from the Georgia Institute of Technology. Prior to joining Lincoln Laboratory, he was an officer in the U.S. Army, with one tour in a communications research position at the Army Electronics Command at Ft. Monmouth, N.J. and one tour in Vietnam.