PERSONAL INFORMATION		
Philip Eric Holmer **19 Lesley Lane** **Northfield, NJ 08225**	IEEE Member # **02829109**	Phone Numbers: Daytime: **(609) 485-7374** Evening: **(609) 484-9362**

Bio for Philip E. Holmer

Philip Holmer has over 18 years of engineering experience in the R&D, acquisition, and testing of airborne systems and real-time, distributed processing systems. His experience includes DOD Command, Control, Communication and Information (C3I) programs for US and foreign military programs. His military airborne projects included US AWACS, Saudi AWACS, and Joint STARS. Philip's work in civil aviation has included the development of En Route and Terminal Air Traffic Control (ATC) systems and Satellite Navigation. He currently supports navigation projects such as GPS/WAAS and TERPS, and aircraft avionics projects including; GPS/WAAS, ADS-B and TCAS.

EDUCATION: Embry-Riddle Aero Univ. MS Aero.Sci, 1994. **Drexel University** BSEE, 1984. **Bloomsburg University** BSBA; Accounting 1980. Additional coursework at Boston Univeristy, Northeastern U. and The MITRE Institute.

IEEE Highlights: Philip is active in IEEE-USA and his NJ section. In 1997 he was awarded the Southern New Jersey IEEE & AIAA '**ENGINEER OF THE YEAR'**, Recognized for Technical Leadership and Accomplishments in ATC and Satellite Navigation. As 2000 IEEE Section Vice-Chair & Treasurer, he managed a 20% increase in section funds. As 2001 Section Chair, he realized an 9+% increase in section membership and 10+% increase in section funds. Philip expanded the Sections Officer Corps and added a local College that previously was not involved in IEEE.

IEEE-USA Positions: CTP Vice-Chair of Transportation 2002, Aerospace Policy committee member 2001. Philip is active in IEEE-USA Congressional Visits Day and supporting the Aviation Coalition of Professional Societies seeking greater Federal support for aerospace and aviation R&D, and workforceissues.

IEEE Societies: Aerospace and Electronic Systems Society, Engineering Management Society, and Vehiclar Technology Society.

IEEE Southern NJ Section: Chair 2001, Vice Chair & Treasurer 1999-2000, Secretary 1998.

Philip is the Communications, Navigation & Surveillance (CNS) Project manager and a Sr. Systems Engineer for the **TITAN Corporation**. Since 1995, he has been supporting several FAA CNS projects including the Wide Area Augmentation System (WAAS), TERPS flight testing, ADS-B and TCAS. His activities have included test and evaluation at the FAA's Technical Center in New Jersey. He is the company representative to RTCA and participant in RTCA SC-159 supporting GPS & WAAS MOPS aircraft avionics standards. He has worked with avionics manufacturers, universities, and the FAA in the development of avionics tests. Philip has also provided technical support to human factors efforts on the Thailand Air Defense System, Joint STARS mission operators, avionics and the WAAS Human Factors Tiger Team.

Philip previously worked for the **MITRE Corporation** supporting ATC systems. As an Integration lead, he coordinated and performed data analysis, system integration and testing to evaluate en route and terminal ATC systems. He was a principal contributor in the development of simulation scenarios used to test ATC systems. Philip received numerous awards from his employer and the FAA for his efforts in analyzing system performance, testing and software stability.

While with **MITRE** in Bedford, MA, Philip supported research and acquisition of various airborne and ground based C3 systems for US and foreign military programs. His work included C3 analysis and acquisition for several projects such as; AWACS, Joint STARS, NATO Air Command & Control System (ACCS), and Thailand Air Defense System. Philip was a Test lead for in-country integration of a C3 system for Egypt with emphasis on analyzing data link message processing.

In Philip's first job as an Electrical Engineer with **Vitro Corporation** Ship Systems, he assisted in the design and manufacturer of Destroyer Class Power & Missile Switchboards using computer aided design and manufacturing (CADAM) systems.