Paper Titled: LORAN Performance in a GPS Non-Precision Approach Environment

Authors' Biographies—Dr. Diggle is the presenter

Dave Diggle, now retired was the Associate Director of the Avionics Engineering Center at Ohio University in Athens, Ohio. In addition to his duties as Associate Director, he led the Loran Support Team at the Avionics Engineering Center. Dave is a member of the Institute of Navigation and the International Loran Association, and has received the RTCA's William C. Jackson Award for outstanding contributions in the field of avionics. He received his Ph.D. in Electrical Engineering from Ohio University and holds a private pilot certificate.

Chris Bartone is an Associate Professor at Ohio University with over 25 years of profession experience in communications, navigation, and surveillance (CNS) systems. He received his Ph.D. in Electrical Engineering from Ohio University in 1998, an MSEE from the Naval Postgraduate School in 1987, and a BSEE from The Pennsylvania State University in 1983. He previously worked for the Naval Air Warfare Center, performing RDT&E on CNS systems. Chris received the RTCA William E. Jackson Award in 1998 for his outstanding contribution to aviation in the area of DGPS. At Ohio University, Dr. Bartone has developed and teaches a number of GPS, radar, wave propagation, and antennas classes. His research concentrates on all aspects of CNS systems. He is a senior member the IEEE, and a member of the Institute of Navigation (ION). He is Chair of the ION Outreach Committee and Editor of the ION Virtual Navigation Museum. Chris is a licensed profession engineer in the state of Ohio.

Mitch Narins is the Senior Systems Engineer with the FAA's Navigation and Landing Product Team who leads the FAA/USCG/Academic/Industry Team evaluating whether the Loran C system can provide benefits for the aviation, maritime, and timing and frequency communities. Mr. Narins has held a number of program-manager and lead-engineer positions at the Naval Electronic Systems Command and at the Federal Communications Commission. He holds a Bachelor of Engineering (BE) degree from the City College of New York and a Masters of Engineering Administration/Management degree from the George Washington University.