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Dr. Chris G. Bartone, P.E. is a professor at Ohio University with over 27 years of profession experience in communications, navigation, and surveillance systems. He received his Ph.D.EE from Ohio University in 1998, a MSEE from the Naval Postgraduate School in 1987, and BSEE from Penn State 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, and wave propagation and antenna classes. His research concentrates on all aspects of navigation. . He is a member of the ION, the IEEE, and the International Loran Association. He is very active with the ION; chaired several programs; served on the ION Council as Chair, ION Outreach Committee; Eastern Region VP, Air Representative, and currently the Editor, ION Virtual Navigation Museum. Chris is a licensed profession engineer in the state of Ohio, and President of GNSS Solutions® Ltd.



Thomas A. Stansell is a pioneer of satellite navigation with over 50 years of experience, beginning in 1960 at the Johns Hopkins University Applied Physics Laboratory where he helped develop the Transit Navigation Satellite System, particularly the world's first surface ship satellite navigation receiver and the world's first portable Doppler geodetic survey instrument. At Magnavox, as a staff VP, he led developments including firsts in: microprocessor-based satellite navigation and survey receivers, multi-channel GPS/GLONASS receivers, codeless tracking of L2, and “all-digital” GPS receivers As a VP of Leica Geosystems, he continued GPS technology development, including patents for GPS multipath mitigation. Now as an independent consultant, he has played a key role and contributed crucial ideas to the design of all modernized GPS signals: L5, L2C, M-code, and L1C, with lead roles for L2C and L1C. He is an ION Fellow and has received multiple awards, including: GPS JPO Navstar, ION Weems, IEEE PLANS Kershner, and ION Kepler. Tom is an influential GPS consultant advising the GPS Wing and other organizations on GNSS modernization issues.

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Dr. Sanjeev Gunawardena is a Senior Research Engineer and Co-Principal Investigator with the Ohio University Avionics Engineering Center (AEC). He is the primary developer of multi-frequency instrumentation-grade GNSS receiver RF front-ends, field programmable gate array (FPGA)-based next-generation GNSS processors, and high performance multi-sensor data collection systems for scientific research at AEC. In 2002, he demonstrated the first-documented realtime continuously-processing implementation of the FFT-based GNSS parallel code correlation algorithm and the first known realtime reconfigurable GPS receiver employing both time and frequency-domain processing in its baseband processor. He was awarded the 2007 RTCA William E. Jackson Award for his outstanding contribution to aviation for the application of transform-domain GNSS receiver technology for high-fidelity GPS performance monitoring. Dr. Gunawardena received B.S. in engineering physics, B.S.E.E., M.S.E.E. and Ph.D. in electrical engineering from Ohio University. He has taught courses in ASIC design, VHDL, FPGA design, GNSS signal processing and advanced satellite navigation.



Dr. Andrey Soloviev is a Research Assistant Professor at the University of Florida. Previously he served as a Senior Research Engineer at the Ohio University Avionics Engineering Center. He holds B.S. and M.S. in Applied Mathematics and Physics from Moscow University of Physics and Technology and a Ph.D. in Electrical Engineering from Ohio University. His current research focuses on all aspects of multi-sensor integrated navigation and applications of synthetic aperture signal processing techniques for GNSS. Andrey currently serves as the ION Land Representative. He received the RTCA William E. Jackson Award in 2002 for the development of frequency-domain INS algorithms and the ION Early Achievement Award in 2006 for outstanding contributions to deeply integrated Inertial/GPS and advanced GPS signal processing.