



Mr. Bradley D. Farnsworth

Mr. Bradley D. Farnsworth is a Senior Systems Engineer and Distinguished Member of the Technical Staff (DMTS) in the CACI National Security and Innovation Solutions (NSIS) sector. He joined CACI with the recent acquisition of LGS Innovations. Mr. Farnsworth is a technology leader and inventor with ten U.S. Patents awarded in the areas of RF Ranging and Alternate Positioning, Navigation, and Timing (A-PNT). Within CACI LGS Labs' Wireless Solutions group, Mr. Farnsworth is the Principal Investigator for 5G dual-use and multi-function systems including mmWave phased array communications and sensing technologies. Mr. Farnsworth provides Systems Engineering-based technical leadership for the development and integration of small form factor electronic warfare, wireless signal processing, special communications, and direction-finding systems.

Prior to joining LGS Innovations, Mr. Farnsworth was the Chief Engineer for Positioning, Navigation, and Timing (PNT) at ENSCO, where he led the development of software-defined RF ranging and timing systems and their integration into multi-sensor PNT systems for contested RF environments. He was the Principal Investigator for Position and Attitude of Weapons Systems (PAWS), an inertial-free and GPS-free 6-DoF tracking system for 120mm mortars, and Principal Investigator for Electronics for the Warfighter Inertial Navigation System (WITS), a boot-mounted RF plus inertial navigation system for long duration tracking of dismounted warfighters on all terrain. Mr. Farnsworth led development of RF ranging demonstrations for the JTRS Soldier Radio Waveform and DARPA's AWNS/WNaN software-defined tactical communications radio.

Mr. Farnsworth received the B.S. and M.S. degrees in Electrical Engineering from Case Western Reserve University. At Case, he was the Sensors Technical Lead for Team Case in the DARPA Urban Challenge autonomous robotic vehicle competition. His Master's thesis was the design of a Wireless Implantable EMG Sensing Microsystem for Intelligent Control of Powered Prostheses in support of the V.A. Medical Center in Cleveland, Ohio. Mr. Farnsworth is a member of the AOC, IEEE, ION, INSA, and the NSPE. He currently resides in Morristown, NJ.