Shari Feth, Ph.D.

Dr. Shari Feth has a broad background with over 38 years of technical experience from fundamental research & development, test & fielding to program management. Her experience includes materials science, electro-magnetics, sensors, systems engineering, advanced technologies and missile defense systems. Since retiring from Federal Service, she has opened her own consulting business (FethTec, LLC) and is working with other companies, including 3 start-ups. From 2004 through retirement in 2024, she worked at the Missile Defense Agency (MDA). Prior to that, she worked at Marshall Space Flight Center. Dr. Feth joined the ranks of Senior Executives on November, 2018 and served as the Director, Innovation, and Science & Technology. In this role she was responsible for MDA's strategic investments in new technology, Manufacturing Technology and Defense Industrial Base as well as alignment of those with MDA and Department of Defense priorities. She provided technical oversight and guidance for Department of Defense efforts and was the executive responsible MDA's Small Business Innovative Research/ Small Business Technology Transfer (SBIR/STTR) and Science, Technology, Engineering and Mathematics (STEM) programs. Her previous positions include: Program Executive, Advanced Technology where she managed up to $650M of future missile defense technologies; Senior Technical Director, Science & Technology where she was responsible for the science and technology efforts across the Agency(ST position); Deputy Ballistic Missile Defense System Architect where she was responsible for analysis, guidance and planning of future missile defense capability; and the Chief Engineer of the Sensors Directorate where she was responsible for engineering MDA's radars. She also held positions as the Chief Systems Engineer of the Sensors Directorate, and as a Test Mission Manager. Dr. Feth's earlier career included positions on a Systems Engineering Tiger Team working initial development, trade studies and requirements definition for future NASA manned and cargo vehicles, and as a research scientist for semiconductor materials development. Prior to completing her Ph.D. she worked at Idaho National Engineering Labs and Oak Ridge National Labs in optical sensing and crystal growth, respectively. She has conducted fundamental research in materials engineering, semiconductor crystal growth, in-situ monitoring, optics, non-destructive testing, and fiber optics. She holds a patent for a fiber optic sensor and received her Bachelors and Masters degrees in Electrical Engineering from Virginia Polytechnic Institute and State University (VA Tech). Dr. Feth completed her education with a Ph.D. in Materials Engineering from VA Tech.

Dr. Feth grew up in Wyoming and still enjoys outdoor activities. She currently resides in Huntsville, AL with her husband.