Dr. Dennis Folds

Dennis Folds is Chief Scientist at Lowell Scientific Enterprises (LSE). He has over 44 years of experience leading and executing user-centered design projects and human performance research. Thirty-five of those years, he was at Georgia Tech, where he built and led the Human Systems Integration capability at the Georgia Tech Research Institute (GTRI), serving as Branch Head for Human Systems Engineering and as Division Chief for Human Systems Integration. He also served as GTRI Chief Scientist for five years and as Associate Director of GTRI for the Health and Human Systems research portfolio for one year. He directed the Information Technology Technical Assistance and Training Center for Georgia Tech, funded by the National Institutes of Disability and Rehabilitation Research (NIDRR). He founded Lowell Scientific Enterprises, providing human systems integration support for NAVAIR and other clients. Current projects include supporting a significant upgrade to the acoustics system on the P-8A, and a planned upgrade to Navy air training ranges. On a part time basis, he also serves as Chief Human Systems Scientist for Problem Solutions, LLC and is a research faculty member at Stephenson Technology Corporation (STC, a subsidiary of LSU), at the Systems Engineering Research Center (SERC, at the Stevens Institute of Technology), and at Virginia Tech. He has been project director and principal investigator for over 100 sponsored research programs. His major research programs include development of countermeasures against manned threat systems, development of guidelines and designer support tools for traffic management systems, cockpit design for the SH-2G(A) helicopter, auditory perception of simultaneous sounds, characteristic errors in rapid decision making, modeling and simulation of human performance in threat systems, development of electronic combat mission planning systems and training systems, and human capital modeling. Prior to GTRI, he worked at the US Army Aeromedical Research Laboratory (USAARL) at Ft. Rucker, AL. He received his Ph.D. in Engineering Psychology from Georgia Tech in 1987.