

Dr. Randall P. Shumaker

Dr. Shumaker is Director of the Institute for Simulation and Training, and Professor of Engineering at the University of Central Florida. With a staff of 250, IST is among the largest groups in the US focusing on research in human-centric modeling and simulation, and in human-system interaction. Prior assignments include Superintendent for Information Technology at Naval Research Laboratory, Director of the Navy Center for Applied Research in Artificial Intelligence, and Manager for aircraft technology at the Naval Air Systems Command. He has wide experience in computer science, with current focus on human-agent interaction, adaptive systems, and biomorphic computing. A former Presidential Rank Senior Executive, US Member in the NATO IST Panel, and frequent reviewer and advisor for research programs, he has significant insight into research issues, application needs, and experience with transitioning research results from academia into government and industry. Shumaker is the author or co-author of more than eighty technical publications and is a frequent invited speaker on a variety of technical topics. He holds a PhD in computer science, a BSEE in electrical engineering and an MSE in computer engineering all from the University of Pennsylvania. Dr. Shumaker is a registered Professional Engineer and Commercial Pilot SEL, MEL, IA.