

## Federal Aviation Administration (FAA)

### **Kenneth Allendoerfer, HFCC Deputy Chair**

Dr. Allendoerfer is the manager of the Human Factors Branch at the FAA Technical Center. He and his team conduct research, engineering, and development activities in air traffic control, unmanned aircraft systems, technical operations, and flight deck systems, with the goal to improve the effectiveness of controllers, traffic managers, pilots, UAS operators, and maintainers, thereby enhancing the safety, efficiency, and performance of the National Airspace System.

His specific research areas include designing useful and usable systems for experts working in complex or life-critical domains; methods for evaluating the usability and usefulness of information visualization systems; the role of user-centered design and usability testing in system development methods; artificial intelligence, especially case-based reasoning and cognitive modeling.

Kenneth holds a Ph.D. from the College of Computing and Informatics at Drexel University, where he researched and taught courses in human-computer interaction and information visualization.

