DIGITAL TRAINING DATA

PROJECT DESCRIPTION: This research area looks to explore novel data architectures and data analysis methods and tools to enable real time insights into team of teams training outcomes. To help prepare the Air Force to meet future missions, applicants interested in contributing to ongoing research in the following areas are invited to apply:

- Cloud Native, Edge, Sensor Mesh & Internet of Things data architectures to enable distributed multi-domain training data
- Augmented and Mixed Reality systems for effective teaming with synthetic teammates
- Novel data analysis of cross domain mission data sets (Space, Air, Ground, Cyber)

ACADEMIC LEVEL: Bachelors, Masters, PhD

DISCIPLINE NEEDED:
- Computer Science
- Mathematics
- Systems Engineering

RESEARCH LOCATION: Wright-Patterson AFB Dayton, OH

RESEARCH ADVISER: Ted Harmer, MS
Systems Engineering, Regis University, 2017

Mr. Harmer is an Electronics Engineer with the Airmen Systems Directorate in the Air Force Research Laboratory (AFRL), where he researches methods and tools to enable proficiency based training in realistic and relevant environments. Prior to joining AFRL, Mr. Harmer served as an USAF Communications Officer, where he designed, implemented and deployed operation’s centers for multiple different AF missions; Base Operations, Space Command and Control, and Combat Search and Rescue. After active duty, he served as the Lead Systems Engineer and Operational Planner for Air Combat Command’s Large Force Exercise for Combat Search and Rescue. Photo courtesy the U.S. Air Force Research Laboratory.