

# TASK # SPTT003. Analysis of a Technical Training Course for Specific Part-Task Training Implementation and Enhancement Based on the Addition of New Tech

## PROJECT AT-A-GLANCE

- UNIVERSITY: University of Oklahoma;
- PRINCIPAL INVESTIGATOR: Todd P. Hubbard (OU)
- RESEARCH ASSISTANT: April Millaway
- INDUSTRY PARTNER(S): Leidos

## RELEVANCE TO TECHNICAL TRAINING AND HUMAN PERFORMANCE

- The recommendations from this project, if applied, will increase efficiency and productivity, improve safety, and will assure better quality control

## STATEMENT OF WORK

- Analyze major job tasks and part-tasks
- Determine delivery/instructional strategies
- Develop curriculum
- Conduct training/teaching using part-tasks training elements
- Determine passing grades for each part-task element
- Develop feedback forms for assessment of part-task elements from students and instructors
- Complete final recommendation report for the FAA

## Augmented Reality for Tech Ops Training



## STATUS

- Elements of FDIO-G Hardware Maintenance course were analyzed
- Job tasks were converted to competencies using augmented reality as the learning medium
- Report written and uploaded to OMIS (Oct. 2018)

## FUTURE WORK

- Closeout report sent
- Closeout planned (TBD) Perhaps June

# Publications, Presentations & Awards

- Publications:

Bor, R., Eriksen, C., Hubbard, T. P., & King, R. E. (Eds.) (in press). *Pilot Selection: Psychological Principles and Practice*. Boca Raton, FL: Taylor & Francis Publishing.

Bor, R., Eriksen, C., Hubbard, T. P., & King, R. E. (Eds.) (in press). Introduction. In R. Bor, C. Eriksen, T. P. Hubbard, & R. E. King (Eds.) *Pilot selection: Psychological principles and practice*. Boca Raton, FL: Taylor & Francis Publishing.

Hubbard, T. P., & Wolfe P. J. (in press). Judgement, decision-making, and intuition in the pilot selection process. In R. Bor, C. Eriksen, T. P. Hubbard, & R. E. King (Eds.) *Pilot selection: Psychological principles and practice*. Boca Raton, FL: Taylor & Francis Publishing.

- Presentations: Drexel Conference presentation/poster session; The Ohio State Conference presentation/poster

- Awards: none