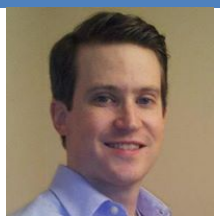
TOPIC	Testing the influence of autonomous system input on human perceptual categorization of speech
ORGANIZERS	Student Leadership Council and Faculty of the TECHLAV
AREA	Multi-agent Systems, Cooperative Control, Resilient Control and Communication, Robotics
SPEAKER	Joseph Stephens, Associate Professor, Psychology
DATE	September 25, 2015, Friday
TIME	11-12 EST
VENUE	IRC 410, North Carolina A&T State University, UTSA and SIPI are joining through video-conferencing
FEES	No Charge

SYNOPSIS

A critical issue for a human operator of a large-scale system of autonomous vehicles is the system's influence on the operator's situation awareness for the environment in which the vehicles are deployed. Situation awareness involves basic perception of the elements in the environment, yet little is known about the ways in which human operators will incorporate autonomous system outputs into their perceptions of these elements. This talk will introduce our method for beginning to investigate this question, along with some preliminary data from human participants.

ABOUT THE SPEAKER



Joseph Stephens earned his B.A. in Germanic Studies from Indiana University in 2000, and his Ph.D. in Cognitive Psychology from Carnegie Mellon University in 2006. Dr. Stephens's main research interests are in the human perceptual categorization of speech sounds, and in theories of how humans integrate perceptual information across sensory modalities (e.g. auditory and visual). He has also conducted research projects in human memory and decision making.