TOPIC	Correspondence Between Brain Waves and Human Trust Through EEG
ORGANIZERS	Student Leadership Council and Faculty of ACIT Institute and TECHLAV Center
AREA	Human Computer Interaction
SPEAKER	Seeung Oh
DATE	Friday Aug 19, 2016
TIME	3:00 – 4:00 PM (EDT)
VENUE	Fort IRC 410, North Carolina A&T State University, UTSA and SIPI will be joining through video-conferencing
FEES	No Charge

SYNOPSIS

Through advancement in technology, automation is spreading at an accelerated rate to the contemporary society. When humans use the application of autonomous systems, trust plays a critical role in the decision making process in order to optimize performance. By measuring the brain waves in trust and mistrust situations, the study investigates which brain waves are related to trust or mistrust with the use of electroencephalogram (EEG). By analyzing the recorded brain waves of trust and mistrust, correlation will be found between trust and performance.

Through research, EEG techniques add a new dimension to understanding trust in decision making in the use of automation. This research will contribute to various applications of autonomous systems where trust is required for effective decision making.

ABOUT THE SPEAKER

Seeung Oh is a Human Factors PhD student at the Industrial and Systems Engineering Department of North Carolina A & T State University (NCAT). He is the immediate past vice president of the NCAT Students Chapter of the Human Factors and Ergonomic Society (HFES). His research interests are: Neuroergonomics, Cognitive engineering, Brain Computer Interface, Human Computer Interaction, Trust in Automation and Information Visualization. Seeung holds an MSc in Information and Management Engineering and BSc in Industrial Engineering.