

# 2018 Guy Van Orden Student Research Conference

Friday, April 13, 2018 | 415, 417, & 419 Tangeman University Center

## Schedule of Events

RESEARCH+  
INNOVATION  
WEEK/2018  
APRIL 9 - 13



### 10:00 – 12:00: Introduction & Presentations (417 TUC)

**Chris Riehm** (PSYC): A model of the behavioral dynamics of sound source localization

**Gaurav Patil** (MME): Analysis of variation in joint angles while performing sit-to-stand vs. performing other tasks while standing up

**Ulya Bayram** (EECS): A lexical network approach for identifying suicidal ideation in clinical interview transcripts

**Carly Green** (PSYC): Stand up straight! The effect of conscious attempt to maintain good posture on flexibility of dynamic postural adjustments

**Sarjoun Doumit** (EECS): Media sources as creative minds

**Mei Mei** (EECS): Mining the temporal structure of thought from text

**Sierra Corbin** (PSYC): Motor intention recognition from minimal information

**Adedapo Alabi** (EECS): Bio-inspired spatial cognition for robots

**Xinyu Guo** (EECS): Feature selection based on multiple auto-encoders

**Patric Nordbeck** (PSYC): Exploring novel areas with underconstrained tasks

**Nathaniel Richards** (AEEM): Predicting athlete navigation performance of cluttered environments with deep neural networks

**Abhishek Pai** (EECS): Distance-scaled human-robot interaction with hybrid cameras

**Riley Mayr** (PSYC): The dynamics of cooperation and competition

**Jackson Elpers** (AEEM): Predicting patient concussion recovery with data driven machine learning systems: A proof of concept decision support system

**Aly Heeb** (PSYC): Unbalanced beliefs: Exploring the nature of children's belief formation

**Christopher DiCesare** (EECS): Emergence of a small and consistent set of distinct coordination strategies in motor tasks

**Jeromy Alt** (PSYC): Designing challenges for a virtual reality collision-avoidance task: Presentation and initial evaluation of a novel task dynamic approach

### 12:00 – 1:30: Lunch on your own

### 1:30 – 3:30: Poster session (415 & 419 TUC)

*The CAP Center Student Research Conference is named in honor of our late colleague Prof. Guy Van Orden, who was the founding CAP Center Director and who developed the idea for this conference. We are proud to continue this tradition in his memory.*