

CENTER OF EXCELLENCE FOR TECHNICAL TRAINING & HUMAN PERFORMANCE

Day 1, General Session — Wednesday, April 4, 2018

*All General Sessions will be held at the Creese Student Center, Behrakis Grand Hall, 1st Floor,
3210 Chestnut Street, Philadelphia, PA 19104*

FINAL AGENDA & Conference Details Web Site: www.coetthp.com

| Time | Agenda Item |
|------------------|--|
| 8:00 – 8:30 am | Networking Coffee, Welcome, and Introduction |
| 8:30 – 8:45 am | FAA Goals and Strategy for Technical Agenda, <i>Abigail Smith (FAA)</i> |
| 8:45 – 9:15 am | Year 2 Overview and EC/IAB Report, <i>Dr. Mark Friend (ERAU)</i> |
| 9:15 – 9:45 am | Networking/Coffee Break <i>Research Poster Reviews</i> ** PI/Research Team Video Recordings – In LeBow Studio – Lisa will escort |
| 9:45 – 11:00 am | Technical Panel A: Improving the Mission Readiness of Employees and the Safety of the NAS (e.g., AJI-2 HF, SPTT, SA and AJW-3 projects) <i>Video Recording</i> Moderator: Jeff Tyrcha, (EC/IAB) |
| 11:00 – 12:00 pm | Networking Lunch <i>Research Area & Project Discussions</i> ** PI/Research Team Video Recordings – In LeBow Studio – Lisa will escort |
| 12:00 – 1:15 pm | Technical Panel B: Improving Training Management and Delivery (e.g., AJI-2 CA, CMD, AN and AFB-500 projects) <i>Video Recording</i> Moderators: Dr. Mark Friend (ERAU) and Lindy Ritz (EC) |
| 1:15 – 1:45 pm | Networking/Coffee Break <i>Research Poster Reviews</i> ** PI/Research Team Video Recordings – In LeBow Studio – Lisa will escort |
| 1:45 – 3:30 pm | Ideas for Expanding Future Research <ul style="list-style-type: none"> ➤ Group A — Addressing the Pilot and Mechanic Shortage: Research to Ensure Aviation Professionals for the Future Facilitators: Dr. Beth Bjerke (UND) and Dr. James Birdsong (Auburn) Location: Bossone 709, with Teleconference Capability, Lisa will provide escort ➤ Group B — Anticipated Changes in Training Technology Facilitators: Vicki Cox (EC/IAB) and Dr. Scott Tarry (UNO) Location: Behrakis Grand Hall Front Section ➤ Group C — Training Needs in other FAA Areas Facilitators: Lindy Ritz (EC) and Walt Cochran (EC/IAB) Location: Behrakis Grand Hall Back Section ➤ Group D — USAF ATC Operations, Procedures, & Training Research Needs Facilitators: Jeff Tyrcha (EC/IAB) and Dr. Robert Wood (OU) Location: Curtis 250, Main Building, Lisa will provide escort |
| 3:30 – 4:30 pm | <ul style="list-style-type: none"> • Session Option A: Student Research Poster Presentations • Session Option B: Research Area Discussions (Optional) |
| 4:30 – 5:30 pm | Drexel Laboratory Tours – See Drexel Laboratory Tours for details FAA Only – Gamification Demo – Dr. JoEllen Sefton – Bossone 709 |
| 6:00 – 8:00 pm | Networking Reception & Group Photo – Location: Skyview – 6th Floor, MacAlister |

CENTER OF EXCELLENCE FOR TECHNICAL TRAINING & HUMAN PERFORMANCE

Day 2, General Session – Thursday, April 5, 2018

*All General Sessions will be held at the Creese Student Center, Behrakis Grand Hall,
3210 Chestnut Street, Philadelphia, PA 19104*

FINAL AGENDA & Conference Details Web Site: www.coetthp.com

| Time | Agenda Item |
|------------------|--|
| 8:30 – 9:00 am | Networking Coffee and Welcome |
| 9:00 – 11:45 am | <p>Research Area Discussions (PIs, Industry, FAA)</p> <ul style="list-style-type: none"> ➤ Group 1 — Curriculum Architecture, Content Management, and Delivery and Analytics, and Flight Standards Facilitators: Caroline Ocasio (IAU) and Ben Bell (EC/IAB) Location: Behrakis Grand Hall Front Section ➤ Group 2 — Simulation and Part-Task Training, Human Factors, and Safety, and Flight Program Operations Facilitators: Dr. Scott Tarry (UNO), Dr. Robert Wood (OU), and Captain Scott Shankland (EC/IAB) Location: Behrakis Grand Hall Middle Section ➤ Group 3 — Similar Research Mind-Mapping Facilitators: Jeff Tyrcha (EC/IAB) and Lindy Ritz (EC) Location: Behrakis Grand Hall Back Section <ul style="list-style-type: none"> ○ <i>OU: Phase II Course Development – Dr. Hubbard</i> ○ <i>Auburn: Explore Use of Gamification – Dr. Sefton</i> ○ <i>OU: Part Task Training – Dr. Hubbard</i> ○ <i>OU, WSU, UNO: Applied Game Theory – Dr. He and Dr. Taylor</i> ○ <i>ERAU: ATC Scenario Training - Dr. Jafer</i> ○ <i>ERAU: Optimize Simulation – Dr. Jafer</i> |
| 11:00 – 12:00 pm | <p>Student Mentoring and Leadership (Student Attendees) Location: Bossone 709, Lisa will provide escort</p> |
| 12:00 – 1:00 pm | Lunch |
| 1:00 – 2:00 pm | <p>Training Session, Caleb Loss (WSU) and Fred Bowen (Orion)</p> <ul style="list-style-type: none"> • TM Quarterly Briefings, PI Support • Project Closeout • OMIS • Reporting |
| 2:00 pm | Adjourn |

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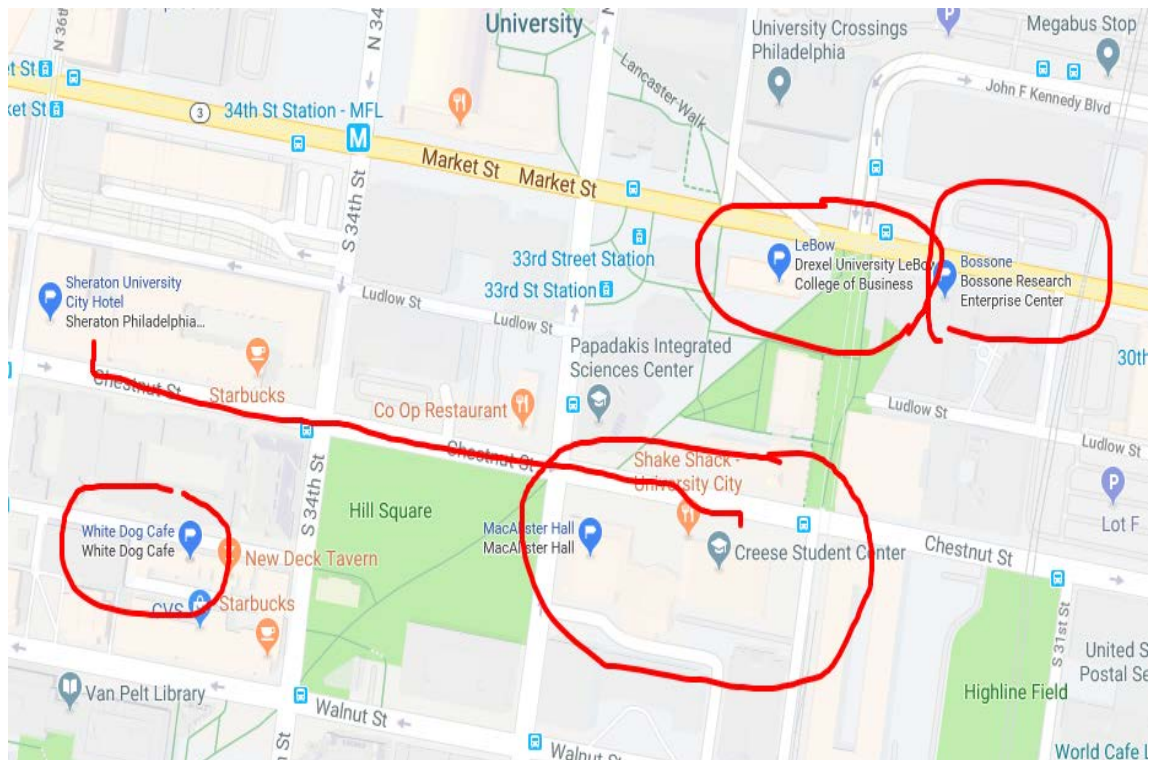
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Drexel Laboratory Tours

- *The Human-System Evaluation and Analysis Laboratory (H-SEAL)* addresses human performance by developing quantitative modeling methodologies and associated experimental designs that can be used to evaluate human-automation interaction and human-human collaboration in the context of total system performance. The research outcomes can be used in the systems engineering process: to inform system requirements, procedures, display designs and training interventions and to support system evaluation.
- *Drexel University's Animation, Capture and Effects Lab (ACE-Lab)* is home to the Westphal College of Media Arts & Design's programs focusing on the development and application of production pipelines for VR/AR and other immersive media formats, along with digital Animation and Visual Effects, in areas including education, cultural heritage, medicine and narrative experiences.
- *Cognitive Neuroengineering and Quantitative Experimental Research (CONQUER) Collaborative* is part of School of Biomedical Engineering, and is equipped with a comprehensive suite of monitoring, processing, analysis and visualization technologies, such as flight simulators to conduct human-in-the-loop studies. Current projects related to the field of cognitive workload assessment include cognitive workload and level of expertise monitoring for manned and unmanned aerial vehicle pilots and air traffic controllers.

Map and Locations

Walking distance from the Sheraton to the Creese Student Center, Behrakis Grand Hall, is about a 5-minute walk from the Sheraton. Behrakis Grand Hall, 1st Floor, 3210 Chestnut Street, Creese Student Center is the main meeting location for Day 1 and 2.



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COE TTHP Y2M2 Executive Committee Meeting

Tue, Apr 3, 2018 1:30-4:00 pm EST

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/588618709>

You can also dial in using your phone.

United States: [+1 \(571\) 317-3122](tel:+15713173122)

Access Code: 588-618-709

General Session - Day 1 Research Discussion – For Pilot and Mechanic Discussion, Facilitator Dr. Beth Bjerke and Dr. James Birdsong

Wed, Apr 4, 2018 1:45 – 3:30 pm EST

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/172997397>

You can also dial in using your phone.

United States: [+1 \(669\) 224-3412](tel:+16692243412)

Access Code: 172-997-397

Joining from a video-conferencing room or system?

Dial: 67.217.95.2##172997397

Cisco devices: [172997397@67.217.95.2](tel:172997397@67.217.95.2)