

<b>Wednesday April 15, 2020</b>  <b>Year 4 Technical Meeting</b>  <b>Hosted by: Auburn University – The Hotel at Auburn University and Dixon Conference Center, Legacy Ballroom, 241 South College Street, Auburn, Alabama 36830</b>	
<b>8:30 AM</b>	<b>Continental Breakfast – Provided</b> <i>all meetings will be held in the Legacy Ballroom</i>
<b>9:00 – 9:15 AM</b>	<b>Welcome – Introductions &amp; Overview</b> Dr. Martha Banz, OU – Dr. Mark Friend, ERAU – Lisa Haggard, WSU – Dr. James Birdsong, Auburn – Abigail Smith and Karen Callihan, FAA <ul style="list-style-type: none"> <li>• <i>Welcome from COE Leadership, FAA, COE TTHP Year in Review</i></li> </ul>
<b>9:15 – 9:45 AM</b>	<b>Project Update: Effective Training and Checking Methods for the Emerging Pilot Workforce - FAA NextGen</b> <ul style="list-style-type: none"> <li>• Dr. James Birdsong (Auburn)</li> </ul>
<b>9:45 – 10:30 AM</b>	<b>AR/VR Training – Lessons Learned from the Field (Military) Presentation #1</b> <ul style="list-style-type: none"> <li>• Michael Baum, Branch Chief, Trainers/Human Dimensions, Software, Simulation, Systems Engineering and Integration Directorate (S3I), U.S. Army Combat Capabilities Development Command (CCDC) Aviation &amp; Missile Center</li> </ul>
<b>10:30 AM</b>	<b>BREAK</b>
<b>11:00 – 11:30 AM</b>	<b>AR/VR Training – Lessons Learned from the Field (Industry/Military) Presentation #2</b> <ul style="list-style-type: none"> <li>• USAF Pilot Training Next – <i>Invited TBD</i></li> </ul>
<b>11:30 – Noon</b>	<b>AR/VR Training – Lessons Learned from the Field (Industry) Presentation #3</b> <ul style="list-style-type: none"> <li>• Virtual Flight Academy - Flack Maguire</li> </ul>
<b>Noon – 1:00 PM</b>	<b>LUNCH – Provided</b> <i>Principal Investigator &amp; Student Research Poster Session</i>

**Wednesday — April 15, 2020 — Continued**

<b>1:00 – 2:30 PM</b>	<p><b>Incorporating AR and VR Into Flight Training Programs</b></p> <ul style="list-style-type: none"> <li>• <b>Panel Discussion Moderator:</b> Jeff Tyrcha, OU</li> <li>• <b>Panelists:</b> Dr. James Birdsong (Auburn), Brian Dillman (Purdue), Neil Nowatzki (UND), (USAF – <i>Invited</i>), (Delta Air Lines - <i>Invited</i>), Captain Scott Shankland (American Airlines - <i>Invited</i>), (USAF – <i>Invited</i>)</li> <li>• <b>QA Session for Core Members</b></li> </ul>
<b>2:30 PM</b>	<b>BREAK</b>
<b>3:00 – 4:00 PM</b>	<p><b>Project Update and Future Research Plans: UAS ILS Zone Measurement (OK State) and UAS Ultra Lightweight VOR/ILS Receiver (Oklahoma) - FAA Flight Program Operations</b></p> <ul style="list-style-type: none"> <li>• Dr. Jim West and Dr. Rockee Zhang (OK State and OU)</li> <li>• Brad Snelling (FAA)</li> <li>• <b>QA Session for Core Members</b></li> </ul>
<b>4:00 – 4:30 PM</b>	<p><b>Project Update: Fleet Modernization Study - FAA Flight Program Operations</b></p> <ul style="list-style-type: none"> <li>• Dr. John Longshore (ERAU)</li> </ul>
<b>4:30 – 5:00 PM</b>	<p><b>FAA New Technical Monitor Meetings with Project Teams</b></p> <ul style="list-style-type: none"> <li>• Effective Training and Checking Methods for the Emerging Pilot Workforce, FAA NextGen (Auburn)</li> <li>• UAS ILS Zone Measurement, FAA FPO (Oklahoma State)</li> <li>• UAS Ultra Lightweight VOR/ILS Receiver, FAA FPO (OU)</li> <li>• Fleet Modernization Study, FAA FPO (ERAU)</li> </ul>
<b>5:00 PM</b>	<b>Final Comments and Adjourn</b>
<b>6:30 – 8:00 PM</b>	<p><b>NETWORKING EVENT &amp; RECEPTION</b>  <i>At the Hotel at Auburn University and Dixon Conference Center</i></p>

**Thursday  
April 16, 2020**

**Year 4 Technical Meeting**

**Hosted by: Auburn University – The Hotel at Auburn University and Dixon Conference Center, Legacy Ballroom, 241 South College Street, Auburn, Alabama 36830**

<b>8:30 AM</b>	<b>Continental Breakfast – <i>Provided</i></b> <i>all meetings will be held in the Legacy Ballroom</i>
<b>8:45 – 9:00 AM</b>	<b>Welcome &amp; Comments</b> <ul style="list-style-type: none"> <li>• Dr. Mark Friend, ERAU and Lisa Haggard, WSU</li> </ul>
<b>9:00 – 10:00 AM</b>	<b>FAA Future Research Needs</b> <ul style="list-style-type: none"> <li>• ATO - Phase II COE Research Agenda (Abigail Smith)</li> <li>• NextGen – <i>Invited TBD</i></li> <li>• Flight Program Operations (Brad Snelling)</li> <li>• Aircraft Certification – <i>Invited TBD</i></li> <li>• Flight Standards – <i>Invited TBD</i></li> <li>• Commercial Space Transportation – <i>Invited TBD</i></li> </ul>
<b>10:00 – 11:00 AM</b>	<b>Preparing the Future Workforce for the Integration of Unmanned Aircraft Systems and Urban Air Mobility into the NAS</b> <ul style="list-style-type: none"> <li>• <b>Panel Moderator:</b> Lindy Ritz (OU) and Dr. Scott Tarry (UNO)</li> <li>• <b>Panelists:</b> Dr. Jamey Jacob and Gary Ambrose (Oklahoma State), Dr. John Robbins (ERAU), Dr. Mark Askelson (UND), Dr. Victor Huang, (UNO), Dr. Robert Huck and James Grimsley (Choctaw Nation of Oklahoma - FAA/UAS IPP Site)</li> <li>• <b>QA Session for Core Members</b></li> </ul>
<b>11:00 – 12:00 PM</b>	<b>COE TTHP Roadmap Related Research Briefings and Poster Session</b> <ul style="list-style-type: none"> <li>• Akron (1)</li> <li>• Drexel (1)</li> <li>• ERAU (4)</li> <li>• Ohio State (1)</li> <li>• OK State (1)</li> <li>• OU (1)</li> <li>• Nebraska-Omaha (1)</li> <li>• Western Michigan (1)</li> </ul>
<b>Noon – 1:00 PM</b>	<b>CLOSING COMMENTS/LUNCH – <i>Provided</i></b>
<b>1:00 – 4:00 PM</b>	<b>Current and Future Research Project Networking</b> PIs/Co-PIs/Student Researchers
<b>1:00 – 4:00 PM</b>	<b>OPTIONAL TOURS – Dr. Birdsong Labs located at the new Delta Air Lines Aviation Education Building</b>

## **General Info**

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Join your colleagues and friends for the 4th Annual Technical Meeting of the Center of Excellence for Technical Training and Human Performance (COE TTHP). The meeting is being held on April 15-16, 2020 and is hosted by Auburn University in Auburn, Alabama, at the Hotel at Auburn University and Dixon Conference Center located in the heart of the Auburn Campus.

The 4th Annual Technical Meeting provides a forum for technical presentations of research plans and results from COE TTHP leading scholars. Networking breaks are planned for developing relationships among government, academia, and industry.

The average temperatures in April for Auburn are in the mid 70's and evening lows in the mid 50's. Business attire is the dress for the meeting.

Registration for the COE TTHP 4th Annual Technical Meeting is \$150 for all attendees.

If you are a student within the COE TTHP please register under the Student General Admission ticket as the registration is free for students. You must be a student associated with a technical project to qualify for a free ticket.

Uber and Lyft are available all over the city of Auburn.

**Registration Link:** <https://coetthpatm4.eventbrite.com>

### **NOTICE:**

- This conference may take photographs and/or video of the meeting. By registering for this conference, you consent to and authorize the use and reproduction by the COE TTHP of any and all photographs and/or video that have been taken. All images and digital files are owned by the COE TTHP, who reserves the right to use these photographs and/or video for online and print publications.

## **Group Hotel**

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The preferred hotel is The Hotel at Auburn University and Dixon Conference Center. The room rate is a special rate offered to Auburn University visitors for hosted meetings. The hotel will provide the government rate to federal employees. You must contact the hotel directly at (334) 821-8200 to book a government reservation. Additional hotels in the area are available.

- For Room Reservations please use the following link to obtain the \$139 rate:  
<https://gc.synxis.com/?Hotel=75989&template=RBE&shell=RBE&Group=200414TTHP&arrive=04/14/2020>

Room Rate: \$139 + tax per single room.

Reservation requests must be made no later than March 15, 2020 to receive this rate. If you are requesting a reservation after this date, please contact the hotel directly for availability.

Valet parking is available for all guests and attendees, overnight rates are \$15. Self-parking is available for \$10.

## Area Airports

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Groome Transportation provides shuttle service from Atlanta's Hartsfield-Jackson Airport to the Auburn University hotel. Reservations are required and can be made online at: <http://auburn.groometransportation.com/>

## Wednesday Evening Reception

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The Evening Reception location is the Hotel at Auburn University.

*Join us in a downtown community rich in history and steeped in natural charm at The Hotel at Auburn University & Dixon Conference Center located in downtown Auburn, Alabama. Front door to one of the South's largest universities, Auburn University, our downtown Auburn, AL hotel is proud to be part of an Alabama legacy.*

