About the Conference

Auburn’s Civil Engineering Department and the Program Committee have designed the 62nd Annual Alabama Transportation Conference for federal and state highway personnel, road building contractors, general contractors, heavy construction contractors, utility contractors, county engineers, consulting engineers, construction material vendors, researchers, professional society representatives, and university faculty members. It provides an opportunity for these individuals to share innovative advances in transportation planning, design, construction, operations, and maintenance.

Technical sessions, sit-down luncheons, and breaks will be provided to create a forum for the exchange of ideas between transportation engineering and construction professions. The conference will also include a Trade Exhibit with many exhibitors that will enhance learning and provide additional networking opportunities for all participants.

Location and Schedule

The conference will be held at the Renaissance Montgomery Hotel & Spa at The Convention Center, located at 201 Tallapoosa Street, Montgomery, Alabama. Final registration and check-in will be held from 8:30 a.m. to 10:30 a.m. in the Main Lobby on Tuesday, February 12, 2019. The Opening General Session begins at 10:30 a.m. in the Performing Arts Center. The conference will adjourn Wednesday afternoon, February 13, 2019.

Registration and Fee

All persons attending the conference must register. The registration fee of $225 includes all sessions, program materials, refreshment breaks, Trade Exhibit, and luncheons. Student and ALDOT retiree registration is $50. To register, please complete the attached registration form and return it by mail to the address indicated, by FAX 334-844-5715, or by calling the Alabama Transportation Assistance Program at 800-446-0382 or 334-844-4370. On-line registration is available at www.engce.auburn.edu.

Accommodations

Participants are responsible for making their own lodging arrangements. A block of rooms have been reserved at the conference hotel. The room block is listed under 62nd Transportation and Engineering Conference. Rate: $143 plus taxes. Call 877-545-0311. The last day to book at this rate is January 14, 2019.
Cancellation Policy

Due to commitments to our speakers and facilities, the registration fee is non-refundable if a registrant withdraws less than five business days before the program starts. Substitutions may be made at any time, please notify us in advance if possible. No-shows will be liable for the entire conference fee. Auburn University reserves the right to cancel any program due to insufficient registrations. This decision is usually made no later than five business days prior to the event. If a program is canceled for any reason, all fees will be refunded. Auburn University will not be responsible for travel expenses incurred by a registrant as the result of a canceled program.

Professional Development Hours

Participants in this conference will be able to attend up to eight (8) hours of technical programs. Auburn University makes every effort to ensure that its technical programs conform to the requirements of the State of Alabama Board of Licensure for Professional Engineers and Land Surveyors for the award of Professional Development Hours to support the annual renewal of professional licensure.

Participants with Disabilities

It is the policy of Auburn University to provide accessibility to its programs and reasonable accommodations for persons defined as having disabilities under the Americans with Disabilities Act of 1990. Please contact us at least two weeks prior to the program so that proper consideration can be given to any special needs.

Program Handouts

Handouts of the material presented at each session will be available for download approximately two weeks after the conference. Presentations can be downloaded by visiting the following website: http://www.alabamat2.org

Program Committee

**Alabama Department of Transportation**
- John R. Cooper
- George Conner
- William Adams
- Ed Austin
- John Eagertoon
- Stacey Glass
- Clay McBrien
- Ed Phillips
- Terry Robinson
- Steve Walker
- Maxine Wheeler

**Auburn University**
- Brian Anderson
- Anton Schindler
- Wesley Zech
- Michael Heitzman

**Federal Highway Administration**
- Mark Bartlett and Kristy Harris
  - Montgomery, Alabama

**Alabama Section, ASCE**
- Frank Summers, Tuscaloosa, Alabama

**Association of County Engineers of Alabama**
- DeAndrae Kimbrough, Marion, Alabama

**Institute of Transportation Engineers, Alabama Section**
- Marybeth Bergin, Mobile, Alabama

**American Council of Engineering Companies of Alabama**
- Renée Casillas, Montgomery, Alabama

**Alabama Road Builders Association**
- Tom Layfield, Montgomery, Alabama

**Alabama Asphalt Pavement Association**
- Mel Morik, Montgomery, Alabama

**Alabama Concrete Industries Association**
- John Sorrell, Montgomery, Alabama

**Alabama Bridge Contractors Association**
- Clay McInnis, Montgomery, Alabama

**Precast/Pre-stressed Concrete Institute, Gulf South Region**
- Dan Eckenrode, Gulfport, Mississippi

**2019 Conference Outline**

**Tuesday, February 12, 2019**

- 8:30 a.m. Registration Opens
- 10:30 a.m. Opening General Session – Performing Arts Center
  - Presiding: Dr. Anton Schindler, Professor and HRC Director, Department of Civil Engineering Auburn University, AL
  - Opening Remarks
  - The State of Play: How State DOTs Are Transforming Transportation
    - Jim Tymon
    - Volkert, Inc.
    - Alliance for Alabama’s Infrastructure Mobile, Alabama

- 12:10 p.m. Governor’s Luncheon – Exhibit Hall C
  - Presiding: Dr. Steve Taylor
  - Associate Dean for Research
  - Samuel Ginn College of Engineering Auburn University, AL
  - The Honorable Kay Ivey, Governor (Invited)
  - State of Alabama

- 1:30 p.m. Adjourn

**Wednesday, February 13, 2019**

- 8:30 a.m. Concurrent Technical Sessions
- 10:00 a.m. Break
- 10:30 a.m. Concurrent Technical Sessions
- 12:10 p.m. Transportation Director’s Luncheon – Exhibit Hall C
  - Presiding: Dr. Rod Turochy, Professor and Director of the Alabama Transportation Assistance Program, Auburn University, AL
  - John R. Cooper, Transportation Director Auburn University
  - Alabama Department of Transportation

- 1:30 p.m. Adjourn
## Roadway Design
**Meeting Room: Alabama A**

**Presiding:** Frank Summers  
President, ASCE Alabama Section

### 1:30 p.m.
**New AASHTO Green Book, 7th Edition**  
Steve Walker  
ALDOT, Design Bureau, Montgomery, AL

### 2:00 p.m.
**Vulnerable Road Users Guidebook**  
Jeff LaMonida, Ph.D.  
Department of Civil Engineering,  
Auburn University, AL

### 2:30 p.m.
**Design and Traffic Analysis of Alabama’s First Diverging Diamond Interchange**  
Sean Frank and Taylor Stoudenmire  
ALDOT, Design Bureau, Montgomery, AL

## Asphalt Technologies Paving the Way
**Meeting Room: Alabama B**

**Presiding:** Steven Ingram  
State Testing Engineer, ALDOT, Montgomery, AL

### 1:30 p.m.
**Paving I-459 with the HIMOD Asphalt Binder - Contractor’s Perspective**  
Paul Coffman  
Midsouth Paving, Inc., Birmingham, AL

### 2:00 p.m.
**Cold Recycling - A National Perspective on Research and Implementation**  
Ben Bowers, Ph.D.  
Department of Civil Engineering,  
Auburn University, AL

### 2:30 p.m.
**NCAT Test Track 2015 Cycle Benefits for the Paving Community**  
Buzz Powell, Ph.D.  
National Center for Asphalt Technology,  
Auburn University, AL

## Construction
**Meeting Room: Performing Arts Center**

**Presiding:** Skip Powe  
State Construction Engineer, ALDOT, Montgomery, AL

### 1:30 p.m.
**Birmingham CBD Project Update**  
Adam Patterson  
Volkert, Inc., Birmingham, AL

### 2:00 p.m.
**Construction of the Duck River Reservoir**  
Steve Newton  
TTL, Inc., Birmingham, AL

### 2:30 p.m.
**HMA e-Tracking: HMA Electronic Delivery Management System**  
Hunter Golson, ALDOT  
Construction Bureau, Montgomery, AL  
Charles Cook  
Midsouth Paving, Montgomery, AL

## Environmental and Sustainability Issues
**Meeting Room: Alabama A**

**Presiding:** Richard Klinger  
Environmental Construction Engineer, ALDOT, Montgomery, AL

### 8:30 a.m.
**The New Blue Book - Updates to the Alabama Handbook for Erosion and Sediment Control**  
Perry Oakes, Consultant, Auburn, AL

### 9:00 a.m.
**Improvements in Silt Fence Installations Determined through Full-scale Testing**  
Wesley Donald, Ph.D.  
Department of Civil Engineering, Auburn University, AL

### 9:30 a.m.
**The State of Stormwater Management in Alabama**  
Barry Fagan  
Volkert, Inc., Montgomery, AL

## City and County Engineering
**Meeting Room: Alabama B**

**Presiding:** DeAndrae Kimbrough  
President, Association of County Engineers of Alabama

### 8:30 a.m.
**National Environmental Policy Act (NEPA) Process**  
Natasha Clay  
ALDOT, Design Bureau, Montgomery, AL

### 8:52 a.m.
**Uniform Act and ROW Acquisition for Federal Aid Projects**  
Jeff Jones  
ALDOT, Right of Way Bureau, Montgomery, AL

### 9:15 a.m.
**Transportation Alternatives Program (TAP) and High Risk Rural Roads (HRRR) Program Updates**  
James Boyer  
ALDOT, Local Transportation Bureau, Montgomery, AL

### 9:37 a.m.
**Elmore County Local Road Safety Plan**  
Lance McGinty  
Elmore County Highway Department, Wetumpka, AL

## Pavement Preservation Moving Ahead
**Meeting Room: Alabama B**

**Presiding:** Adriana Vargas, Ph.D.  
National Center for Asphalt Technology, Auburn University, AL

### 3:30 p.m.
**Materials, Mix Design and Construction of Micro-surfacing Treatments**  
Todd Nance  
Hudson Construction Company, Chattanooga, TN

### 4:00 p.m.
**Best Practices for Pavement Preservation Quality**  
Adriana Vargas, Ph.D.  
National Center for Asphalt Technology, Auburn University, AL

### 4:30 p.m.
**Moving Ahead in the Southeast Region**  
Steve Graben  
Southeast Region Engineer, ALDOT, Montgomery, AL

## Bridges
**Meeting Room: Performing Arts Center**

**Presiding:** Tim Colquett  
State Bridge Engineer, ALDOT, Montgomery, AL

### 3:30 p.m.
**I-59/1-20 Bridge Replacement**  
Tim Colquett  
Bridge Bureau, ALDOT, Montgomery, AL  
Lloyd Pitts, Volkert, Inc., Mobile, AL  
Eric Johnson, Conven Engineering, Inc., Tallahassee, FL

### 4:00 p.m.
**Performance Monitoring of the Tuscaloosa Box Girder Bridge**  
Wei Song, Ph.D., Department of Civil, Construction, and Environmental Engineering  
University of Alabama, Tuscaloosa, AL

### 4:30 p.m.
**Lateral Testing and Analysis of Steel Pile Bent Bridges**  
Justin Marshall, Ph.D., Auburn University, AL  
Brian Anderson, Ph.D., Auburn University, AL  
Stephen Hammett, Hammett Eng., Montgomery, AL

## Innovations in Geotechnical Engineering
**Meeting Room: Performing Arts Center**

**Presiding:** Kaye Chancellor Davis  
State Geotechnical Engineer, ALDOT, Montgomery, AL

### 8:30 a.m.
**LRFD Changes Impacting ALDOT Geotechnical Engineering**  
Kaye Chancellor Davis, ALDOT  
Bureau of Materials and Tests, Montgomery, AL

### 9:00 a.m.
**Deep Foundation Load Testing for the I-10 Mobile River Bridge Project**  
Robert Thompson and Sam Sternberg  
Dan Brown and Associates, Montgomery, AL

### 9:30 a.m.
**Geotechnical Aspects of an Engineering Mega Project**  
Liz Smith  
Terracon Consultants, Inc., Austin, TX
A new feature at this year's conference is a Trade Exhibit. The Trade Exhibit will be held in Exhibit Hall C, where all luncheons and refreshment breaks will be served. Exhibitors from a wide range of transportation-related fields are expected to attend. The exhibit will be open from 1:30 to 6:00 p.m. on Tuesday, February 12, and on Wednesday, February 13, from 7:30 a.m. to noon and again from 1:30 to 3:00 p.m.

A list of exhibitors will be included in the copy of the conference brochure that will be distributed at the registration and check-in table.

Exhibitor Information
Prospective exhibitors may register for an exhibit booth at https://aub.ie/ALTC_Exhibitor_2019.

The exhibitor fee is $800, which includes conference registration for one person, a 10' x 8' booth demarcated with pipes and drapes, a table and 2 chairs. Exhibitor booths are available on a first-come, first-serve basis until all booths have been reserved. More details are available on the exhibitor registration page.

Parking

1. Renaissance Montgomery Hotel Parking Deck
The parking deck at the Renaissance Montgomery Hotel and Spa at the Convention Center has 600 parking spaces including valet. Rates for self park:

- 0-30 minutes - Free
- 6-10 hours - $12.00
- Up to 2 hours - $4.00
- Overnight - $16.00
- 2 to 6 hours - $8.00

2. Intermodal Parking Deck
Located at 495 Molton Street.

Hours and rates for parking:

- Monday to Friday, 6:30 a.m. to 6:00 p.m.
- $1.00 per hour, maximum of $4.00 per visit.

- Monday to Friday, 6:30 a.m. to 6:00 a.m.
- No charge