## 2022 Arizona Pavements/Materials Conference - November 16-17, 2022

"Infrastructure Resiliency and Preservation"

### Program

#### DAY 1 - Wednesday, November 16, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: Sustainable Construction Practices</th>
<th>Session 2: Pavement Preservation: Successes and Failures</th>
<th>Track 1</th>
<th>Track 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-10:00am</td>
<td>Registration - Ventana Ballroom</td>
<td>Exhibit Viewing - Continental Breakfast - Arizona Ballroom</td>
<td>OPENING SESSION: Ventana Ballroom 241</td>
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<tr>
<td>10:00-10:10am</td>
<td>ASU Welcome Address</td>
<td>Ram Pendyala, Director, School of Sustainable Engineering and the Built Environment</td>
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<td>10:15-10:35am</td>
<td>Federal Highway Administration</td>
<td>Tim Hess, Associate Administrator, Federal Lands Highway</td>
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<td>10:40-11:00am</td>
<td>ADOT Overview</td>
<td>Gregory Byres, State Engineer</td>
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<td>11:05-11:25pm</td>
<td>McDOT Overview</td>
<td>Kurt Sharp, Special Projects &amp; Assets Branch Manager</td>
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<tr>
<td>11:30-12:00pm</td>
<td>IJIA Buy America and Buy Clean</td>
<td>Jay Hansen, Executive Vice President, Advocacy, NAPA</td>
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<tr>
<td>12:05-1:30pm</td>
<td>LUNCH: Arizona Ballroom 221- (Community Service Awards Luncheon)</td>
<td>Moderator: Amanda McGennis, Sr. Vice President, Arizona Chapter AGC</td>
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#### TRACK 1

**SESSION 1: Sustainable Construction Practices**

- Ventana Ballroom 241
  - Moderator: Mo Rahman, Ergon Asphalt

  - The Use of RAP at the City of Phoenix
    - Ryan Stevens, City of Phoenix

  - High Friction Surface Treatment
    - Mazen Muradvich, McDOT

  - Trackless Tack
    - Nye McCarty, ADOT

#### TRACK 2

**SESSION 2: Pavement Preservation: Successes and Failures**

- Turquoise Ballroom 220
  - Moderator: Jeff Stempihar, NCE

  - Multi-Layer Systems
    - Jeffrey R. Smith, Cactus Asphalt

  - Asphalt Pavement Recycling
    - Todd Gonser, Cutler Repaving Inc.

  - Concrete Pavement Joint Sealing
    - Kurt Smith, Applied Pavement Technology, Inc.

#### BREAK: Arizona Ballroom 221

**GENERAL SESSION:** Ventana Ballroom 241

- Moderator: Larry Scofield, IGGA

  - ACPA Moving Forward
    - Laura O’Neill Kaumo, President and CEO - ACPA

  - WELCOME RECEPTION - STUDENT POSTER SESSION
    - Turquoise Ballroom | Arizona Ballroom
      - Door Prizes | Refreshments | All conference attendees are invited to attend.
### DAY 2 - Thursday, November 17, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Moderator/Speaker</th>
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<tbody>
<tr>
<td>7:00-8:00am</td>
<td>Registration - Ventana Ballroom - Exhibit Viewing - Continental Breakfast - Arizona Ballroom</td>
<td>Ventana Ballroom 241</td>
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<tr>
<td>8:00-8:25am</td>
<td>GENERAL SESSION: Modified Asphalt Binders</td>
<td>Turquoise Ballroom 220</td>
<td>Pat Weaver</td>
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<td></td>
<td>Construction and Performance Impacts of Asphalt Mix Additives at the NCAT Pavement Test Track</td>
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<td>Buzz Powell, NCAT</td>
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<tr>
<td>8:30-8:55am</td>
<td>Polymer Modified Asphalt: A Supplier’s Perspective</td>
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<td>Robert McGennis, HF Sinclair</td>
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<td>9:00-9:25am</td>
<td>Highly Modified Asphalt</td>
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<td>Craig Fabrizio, Staker Parson</td>
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<td>9:30-9:55am</td>
<td>Aerogel Modified Bituminous Materials - aMBx</td>
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<td>Kamil Kalous, ASU</td>
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<td>10:00-10:30am</td>
<td>TRACK 1</td>
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<td>BREAK: Arizona Ballroom 221</td>
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<tr>
<td>10:30-11:00am</td>
<td>SESSION 3: Concrete Pavements Performance</td>
<td>Ventana Ballroom 241</td>
<td>Larry Scofield, IGGA</td>
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<td></td>
<td>Performance Engineered Mixes - Durability and Sustainability Intertwined</td>
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<td>Peter Taylor, National Concrete Pavement Technology Center</td>
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<td>11:00-11:30am</td>
<td>Joint Activation - Minnesota’s Efforts</td>
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<td>Matthew Zeller, Concrete Pavement Association</td>
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<td>11:30-12:00pm</td>
<td>Design Showdown – Pavement ME v. AASHTO 93</td>
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<td>Eric Ferrebee - ACPA</td>
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<td>12:00-1:00pm</td>
<td>LUNCH: Arizona Ballroom 221</td>
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<td>(Sponsors/Exhibitors Awards Luncheon</td>
<td>Student Poster Competition Presentation</td>
<td>Witczak Endowment Presentation)</td>
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<td>Ruben Guerrero, Jr., Director of Corporate Affairs, Salt River Materials Group</td>
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<td>1:00-1:30pm</td>
<td>SESSION 5: Targeting Net Zero Emissions</td>
<td>Ventana Ballroom 241</td>
<td>Hasan Ozer, ASU</td>
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<td>1:30-2:00pm</td>
<td>Non-Fossil Carbon Asphalt</td>
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<td>Ellie Fini, ASU</td>
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<td>1:30-2:00pm</td>
<td>Leveraging the FHWA LCA Framework and Federal LCA Commons Data for developing LCA decision-support tools</td>
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<td>Amian Mukherjee, Michigan Tech</td>
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<td>2:05-2:45pm</td>
<td>CENTER FOR BIO-MEDIATED &amp; BIO-INSPIRED GEOTECHNICS</td>
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<td>2:45-3:30pm</td>
<td>Arizona’s Research History / Documentary, Rob Duvall, City of Phoenix (Trailer here)</td>
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<td>3:30pm</td>
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<td>Grand Prize Drawing</td>
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<td>GENERAL SESSION: Ventana Ballroom 241</td>
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<td>Moderators: Ellie Fini, ASU and Mo Rahman, Ergon Asphalt</td>
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<td>GeotechTools – The First Place to Look</td>
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<td>Vernon R. Schaefer, Iowa State University</td>
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<td>Mitigating Expansive Soil Swelling using Geocells: A Case Study</td>
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<td>Bhaskar Chittoori, Boise State University</td>
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