# Conference Program

## TUESDAY, JANUARY 2, 2018
- 2:00 p.m.  Vendor Setup, Atrium and Gallery Exhibit Areas
- 6:30 p.m.  Speakers' Dinner (by invitation only)  (Kokopelli Ballroom)

## WEDNESDAY, JANUARY 3, 2018
- 7:00 a.m.  Registration – Conference Center Pre-Conference Area

### OPENING GENERAL SESSION  (Yucatan/Taos/Las Cruces/Santa Fe Room)
- Presiding – Rafi Tarefder, Professor, Department of Civil Engineering, UNM
- 8:00  University's Welcome – Christos Christodoulou, Dean, School of Engineering, UNM
- 8:05  FHWA's Welcome – J. Don Martinez, Division Administrator, Federal Highway Administration, Santa Fe
- 8:10  State Transportation Commission Update – TBD
- 8:15  State Transportation Update – Tom Church, Cabinet Secretary, NMDOT
- 8:45  Local Perspective – Lisa Kuuttila, CEO, Supporting Technology Transfer and Catalyzing
- 9:00  Keynote Address – Tony Furst, Chief Innovation Officer, Office of Innovative Program Delivery, FHWA

### BREAK
- 10:00 - 10:30 – Refreshments, Exhibit Area
## GENERAL SESSION 1
(Yucatan/Taos/Las Cruces/Santa Fe Room)

**Chasing the Dream**

Presiding – TBD

- **10:30** DREAM BIG NM – Jerry Paz, ASCE
- **11:00** Albuquerque Rapid Transit (ART) – Ed Potthoff, HDR
- **11:30** Awards – Mahmoud Taha, Chair, Department of Civil Engineering, UNM

## WEDNESDAY LUNCHEON

12:15 - 1:30  Lunch, Exhibit Hall  (Cancun/Tampico/Cozumel/Coronado Room)

## CONCURRENT SESSION 2A
(Yucatan Room)

**Intersection Detection using Inductive Loops, Video Cameras, and Radar**

Presiding – Paul Barricklow, Lee Engineering

1:30 - 3:00  Panel Discussion

- Matt Zinn, Reno A&E/EDI
- Jason Robinson, Econolite
- Matt O’Connor, Summit Traffic Solutions
- Adam Lyons, Iteris
- Ron Soto, City of Albuquerque
- Bobby Baker, Bernalillo County
- Andrew Gallegos, NMDOT
- Les Velasquez, City of Hobbs

## CONCURRENT SESSION 2B
(Taos/LC/SF Room)

**Pavement Cracking and Evaluation**

Presiding – Mo Moabed, HollyFrontier Refining & Marketing LLC

1:30  Asphalt Cracking Case Study – Soheil Nazarian, UTEP

2:00  Consequences of Delayed PP – Carlos Chang, UTEP

2:30  Pavement Evaluation Engineer, GPR & Pavement Application – Naomi Gaede, NMDOT

## BREAK

3:00 - 3:30  Refreshments, Exhibit Hall  (Cancun/Tampico/Cozumel/Coronado Room)

## CONCURRENT SESSION 3A
(Yucatan Room)

**Productivity Solutions**

Presiding – TBD

- **3:30** InfraWorks – James Foster, ATG USA
- **4:00** 3-D Utility Modeling – Rod Brocious and Bud Swensen, Horrocks Engineers
- **4:30** Bluebeam Revu – Patrick Milligan CAD-1

## CONCURRENT SESSION 3B
(Taos/LC/SF Room)

**Pavement Preservation**

Presiding – James Gallegos, NMDOT

- **3:30** Foundation FP2 – Mike O’Leary, Ingevity
- **4:00** Cold In-place Recycling, Everett Crews – Ingevity
- **4:30** Why Polymerized Asphalt – Richard Steger, Platform Manger, Ingevity

5:30  ITE Social – Hosted by the Institute of Transportation Engineers – New Mexico Section (ITE Members and Guests)
**THURSDAY, JANUARY 4, 2018**

7:00 a.m. – Breakfast, Hosted by New Mexico Contractors and Materials Suppliers  
(Cancun/Tampico/Cozumel/Coronado Room)

---

### CONCURRENT SESSION 4A (Yucatan Room)

**Every Day Counts**

Presiding – Derek Meier, Wilson & Co.

- 8:30 The Future of Highway Construction – Connie Yew, FHWA
- 9:00 Utah’s Experience with econstruction and Partnering – Rob Wight, UDOT
- 9:30 NMDOT EDC-3 and EDC-4

---

### CONCURRENT SESSION 4B (Taos/LC/SF Room)

**Pavement Maintenance**

Presiding – Brian Jones, Asphalt Pavement Association of New Mexico

- 8:30 Tack Coat – Dave Johnson, Asphalt Institute
- 9:00 CIR - Contractor’s Perspective – Chuck Valentine, Pavement Recycling System
- 9:30 Pave Express – Amy Miller, Asphalt Institute

---

**BREAK**

10:00 - 10:30 Refreshments, Exhibit Hall  
(Cancun/Tampico/Cozumel/Coronado Room)

---

### CONCURRENT SESSION 5A (Yucatan Room)

**New Mexico Project Updates**

Presiding – Jim Barrera, Horrocks Engineers

- 10:30 NM 159 Mogollon – Michael Smelker, NMDOT and Chris Baca, Parametrix
- 11:00 Asphalt Recycling and NM 6 – Jeff Mann, NMDOT
- 11:30 I-25 Rio Bravo Interchange Reconstruction – Roxanne Blatz, AECOM, Emiliano Martinez, NMDOT

---

### CONCURRENT SESSION 5B (Taos/LC/SF Room)

**Pavement Design and Repair**

Presiding – Jeff Mann, NMDOT

- 10:30 Advanced Design for a High Performance New Mexico Asphalt Pavement – Bob Kluttz, Kraton Polymers
- 11:00 Precast Pavement, Shiraz Tayabji – ARA Inc.
- 11:30 Asphalt Resurfacing after a Geohazard Repair – Justin Petersen, GeoStabilization International

---

**THURSDAY LUNCHEON**

12:15 - 1:30 Lunch on Your Own

---

### CONCURRENT SESSION 6A (Yucatan Room)

**Using Data to Evaluate and Prioritize Transportation Needs**

Presiding – Chris Baca, Parametrix

- 1:30 Data Transformation Tools – Julie Luna, Bernalillo County
- 2:00 Evaluating the Cumulative Impacts of a Long Range Regional Transportation Plan: Air Pollutant Exposure, Greenhouse Gas Emissions, and Transportation System Performance – Mohammad Tayarani, UNM
- 2:30 City of Albuquerque Bridge and Trail Evaluation – Roxanne Blatz, AECOM, Seth McVey, AECOM, Jason Coffey, City of Albuquerque

---

### CONCURRENT SESSION 6B (Taos/LC/SF Room)

**Pavement Geotechnics**

Presiding – Michelle Mann, NMDOT

- 1:30 Implementing Cone Penetration Testing for Transportation Projects: Applications, Design Procedures, Advantages and Limitations – Otto Holmquist, Geolines LLC
- 2:00 High Performing Grids with Improved Aggregate Interaction – Garrett Fountain, Tensar Corporation
- 2:30 High-Strength Geotextiles for Stabilization and Reinforcement: Reducing Aggregate Thickness without Sacrificing Performance – Kate Vitale, TenCate Geosynthetics
<table>
<thead>
<tr>
<th>Break</th>
<th>3:00 - 3:30</th>
<th>Refreshments, Exhibit Hall (Cancun/Tampico/Cozumel/Coronado Room)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL SESSION 7</td>
<td>(Yucatan Room)</td>
<td><strong>Engineering Ethics</strong></td>
</tr>
<tr>
<td>Presiding –</td>
<td>Parveez Anwar, NMDOT</td>
<td>3:30 - 4:30 Brian Legan, NMDOT</td>
</tr>
</tbody>
</table>

Professional Development Hours (PDHs) may be claimed for attending the Paving and Transportation Conference. Each hour of participation earns one (1) PDH; attendees must maintain their own record of attendance.