Welcome to the 14th ARIZONA PAVEMENTS/ MATERIALS CONFERENCE

2017 Embracing Pavement Technologies

Tempe, Arizona
November 15-16, 2017
Following up with last year’s theme on Sustaining Performance, this year’s theme is focused on “Embracing Pavement Technologies”. We will address the future of pavement engineering, pavement performance data collection and innovation in materials. Come and meet our nationally recognized speakers who will address issues at the local and national levels. This year a Pavement Equipment Fair will be held the day prior to the conference on November 14th in an area close to the Memorial Union. Watch the conference website for updates and exact location. The registration fee for the Equipment Fair will be $50 with a conference registration or $75 for the equipment fair only.

Location
This two-day conference sponsored by Arizona State University (ASU), Arizona Department of Transportation (ADOT), Federal Highway Administration (FHWA), Arizona’s industry and local governments will be held at Arizona State University, Tempe Campus (1290 S. Normal Ave., Tempe, AZ 85281) on November 15-16, 2017 in the Memorial Union (MU). The MU serves as the central meeting and conference center for the ASU community.

Speaker presentations will take place in the Ventana Ballroom and Pima Auditorium. Exhibitors, Luncheons, Refreshment Breaks and Welcome Reception will be located in the Arizona Ballroom.

Parking at ASU
Visitor parking is available in the following parking structures

- Fulton Center Structure (Foundation Building) located at University Drive and College Avenue (NE Corner)
- Rural Road Structure located at Rural Road and Terrace Road (SW corner)
- Apache Blvd. Structure located at Apache Blvd and Normal Avenue (NW corner)

The cost of parking is included in your registration fee. Please bring your parking ticket to the registration table when you arrive to obtain a validation ticket.

ASU parking locations and maps are located at https://cfo.asu.edu/pts-visitor-tempe .

Accomodations
Visit our website http://pavement.engineering.asu.edu for a list of hotels conveniently located within walking distance of the campus. Call the hotel directly to make your reservation. ASU and government rates may be available.
2017 Conference Program

DAY 1 | AGENDA WEDNESDAY, NOVEMBER 15, 2017

8:00-10:00am REGISTRATION, EXHIBIT VIEWING - Continental Breakfast - Arizona Ballroom 221

10:00-10:15am OPENING SESSION: Ventana Ballroom 241
Moderator: Tom Buick, Consultant

Welcome from Arizona State University
G. Edward Gibson, Jr, PhD, PE, Director, School of Sustainable Engineering and the Built Environment, ASU

10:15-10:30am ADOT Agency Issues Overview
Dallas Hammitt, Deputy Director for Transportation/State Engineer, ADOT

10:30-11:00am Federal Highway Administration: Update on new administration, new initiatives, status of infrastructure bill
Thomas Everett, Associate Administrator, Office of Infrastructure, FHWA

11:00-11:30am MCDOT: Providing Connections - An Innovative Look at our Future
Jennifer Toth, Director, MCDOT

11:30-12:00am Ethics: A Practical Guide to Doing Right
Larry L. Oehlert, President, Tectonics International, Inc.

12:00-1:30pm LUNCH: Arizona Ballroom 221 (Community Service Awards Luncheon/Founders Award Presentation/ Witzczak Endowment Presentation)

12:00-1:30pm TRACK 1

SESSION 1:
FUTURE OF PAVEMENT PERFORMANCE DATA COLLECTION
Ventana Ballroom 241
Moderator: Steven Williams, City of Phoenix

1:30-2:00pm City of Phoenix Pavement Management System
Ryan Stevens, City of Phoenix

2:00-2:30pm Long-Term Pavement Performance (LTPP) Status Update
Jean A. Nehme, PhD, PE, Team Leader, FHWA

2:30-3:00pm Collecting Pavement Condition Data Using Technologies Embedded in New Cars and Smart Phones
Jose Medina, Grad Teaching Associate, ASU

3:00-3:30pm BREAK: Arizona Ballroom 221

3:30-4:30pm GENERAL SESSION: Ventana Ballroom 241
Moderator: Tom Deitering, PE, Project Delivery Team Leader, FHWA

The Future of Pavement Engineering
Imad Al-Qadi, Professor, University of Illinois at Urbana-Champaign

4:30-6:00pm WELCOME RECEPTION - STUDENT POSTER SESSION
Moderator: Joe Philips, PE, Principal, Regional Materials Engineer, Terracon
Door Prizes, Refreshments, Complimentary Bar
All Conference attendees are invited to attend.

TRACK 2

SESSION 2:
SAFETY IN PAVEMENTS
Pima Auditorium 230
Moderator: John Shi, PhD, PE, MCDOT

1:30-2:00pm High Friction Surface Treatment (HFST) Installation and Constructability
Cliff Barber, American Civil Constructors

2:00-2:30pm MCDOT Roadway Safety Management Program
Mazen Muradovitch, PE, Senior Civil Engineer, MCDOT

2:30-3:00pm Road Surface Characteristics and Accidents
Mike Mamlouk, PhD, PE, Professor, ASU
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7:00-8:00am</td>
<td><strong>REGISTRATION, EXHIBIT VIEWING</strong> Continental Breakfast - Arizona Ballroom 221</td>
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| 8:00-8:30am  | **GENERAL SESSION:** **INNOVATIONS IN CONCRETE MATERIALS** Ventana Ballroom 241  
Moderator: Larry Scofield, PE, Director of Engineering and Research, International Grooving and Grinding Association |
| 8:30-9:00am  | **Super strong carbon fiber composites for use in bridge structural enhancements**  
Jon Woods, PhD, PE, Senior Project Manager-Infrastructure, Dibble Engineering |
| 9:00-9:30am  | **Performance Engineered Mixes**  
Thomas Van Dam, PhD, NCE |
| 9:30-10:00am | **Ultra high performance concrete materials**  
Barzin Mobasher, PhD, PE, Professor, ASU |
| 10:00-10:30am | **BREAK:** Arizona Ballroom 221  
Continental Breakfast - Arizona Ballroom 221 |
| 10:30-11:00am| **SESSION 3:** **RECYCLED MATERIALS**  
Ventana Ballroom 241  
Moderator: Paul Burch, PE, ADOT |
| 11:00-11:30am| **Cold recycling within ADOT; lessons learned and future implementation**  
Nye McCarty, PE, ADOT |
| 11:30-12:00pm| **Use of RCM/CCA in Base/Sub-Base Applications**  
Mark B. Snyder, PhD, PE, Pavement Engineering and Research Consultants, LLC |
| 12:00-1:30pm | **LUNCH:** Arizona Ballroom 221  
(Sponsors/Exhibitors Awards Luncheon/Student Poster Competition Presentation)  
Moderator: Amanda McGennis, Arizona Chapter - Associated General Contractors |
| 1:30-2:00pm  | **SESSION 5:** **ECONOMICS OF BINDERS**  
Ventana Ballroom 241  
Moderator: Mo Rahman, Alon Asphalt |
| 2:00-2:30pm  | **Asphalt Binders - supply, pricing and market situation**  
Cody Worden, Sr. Director, Asphalt Supply & Optimization, Delek US |
| 2:30-3:30pm  | **GENERAL SESSION:** Ventana Ballroom 241  
Moderator: Larry Scofield, International Grooving and Grinding Association |
| 3:30pm       | **END OF CONFERENCE:** Grand Prize Drawing  
Ventana Ballroom 241 |
The 2017 conference has several sponsorship packages available, providing sponsors with a choice of exposure related to financial commitment.

**Reception Sponsor $4,000** (one available) (FMV = $780.00)
- Three (3) conference registrations
- Opportunity to provide your sign displayed at the reception refreshment station
- Acknowledgement sign on reception tables
- Signage at the conference
- Recognition in the conference program
- Your logo and link to your website on the conference Website
- Acknowledgement during the opening session
- Award recognition during conference Sponsor luncheon

**Platinum Level Sponsor $3,000** (unlimited) (FMV = $520.00)
- Two (2) conference registrations
- Acknowledgement sign on luncheon tables
- Signage at the conference
- Recognition in the conference program
- Your logo and link to your website on the conference Website
- Acknowledgement during the opening session
- Award recognition during conference Sponsor luncheon

**Gold Level Sponsor $2,000** (unlimited) (FMV = $260.00)
- One (1) conference registration
- Signage at the conference
- Recognition in the conference program
- Your logo and link to your website on the conference Website
- Acknowledgement during the opening session
- Award recognition during conference Sponsor luncheon

**Name Badge Lanyard Sponsor $1,500** (no longer available)
- Your name imprinted on lanyards
- Signage at the conference
- Recognition in the conference program
- Your logo and link to your website on the conference website
- Acknowledgement during the opening session
- Award recognition during the conference Sponsor luncheon

**Witczak Endowment Sponsor $1,500** (one available)
- Signage at the conference
- Recognition in the conference program
- Your logo on the conference website
- Acknowledgement during the opening session
- Award recognition during the conference Sponsor luncheon

**Silver Level Sponsor $1,000** (unlimited)
- Signage at the conference
- Recognition in the conference program
- Your logo and link to your website on the conference Website
- Acknowledgement during the opening session
- Award recognition during the conference Sponsor luncheon

**Bronze Level Sponsor $500** (unlimited)
- Signage at the conference
- Recognition in the conference program
- Your logo on the conference website
- Acknowledgement during the opening session
- Award recognition during the conference Sponsor luncheon

*If paid before print deadline.

**Sponsorship Agreement**

Level of Sponsorship: ____________________________

Company Name: ________________________________

Contact Person: ________________________________

Address: ______________________________________

______________________________________________

Email: _________________________________________

Phone: _________________________________________

Payment Method:  
- Check (made payable to ASU Foundation)  
- Visa  
- MasterCard  
- American Express

Card #: _________________________________________

Expiry Date: __________________________ CCV code: __________________

Name on Card: _________________________________

**Why Sponsor...**

- To raise your company profile
- To network
- To reach your target audience
- To demonstrate your company's commitment to the pavements/materials industry

All funds will be deposited into an account with the ASU Foundation, a separate non-profit organization that exists for the benefit of ASU. Due to the value of benefits received, only payments in excess of fair market value (FMV) may be considered a charitable contribution. Conference sponsorships and proceeds will be used toward facilitating the Arizona Pavements/Materials Conference as well as funding undergraduate and graduate student projects, activities and a scholarship endowment with the ASU Foundation for A New American University. 30001468

**Attn: Judy Reedy**

Pavements/Materials Conference  
Arizona State University  
PO Box 873005  
Tempe, AZ 85287-3005

Fax: (480) 965-0557  
Email: judy.reedy@asu.edu

pavement.engineering.asu.edu
Participating as an exhibitor at the 2017 Arizona Pavements/Materials Conference will demonstrate your level of support and commitment to the pavements / materials industry.

The undersigned hereby applies for space as an Exhibitor at the Arizona Pavements/Materials Conference. There are a limited number of exhibit spaces available for the conference on a first come/first serve basis.

The exhibitor registration fee of $799 includes one six foot table with two chairs and electricity in the Arizona Ballroom plus registration to the conference for two (2) people.

Register to be an Exhibitor - $799.00 -- SOLD OUT FOR 2017

- My check for $799.00 is enclosed payable to Arizona State University.
- I wish to pay with a credit card at the conference website http://pavement.engineering.asu.edu

Company Name: __________________________________________________________

Name of attendees: (1) ______________________________________________________
                   (2) _____________________________________________________________

Address: _________________________________________________________________

City/State/Zip: ____________________________________________________________

Email: _________________________________________________________________

Phone: ____________________________ Date: ________________________________

Exhibit space is limited. Tables will be assigned on a first come/first serve basis. All payments for exhibiting are due at the time of registration.

Please indicate here if you would like a vegetarian lunch.   Attendee #1 □   Attendee #2 □

Requests for a vegetarian lunch will not be taken at the conference.
Conference Attendee Registration

14th Arizona Pavements/Materials Conference • Embracing Pavement Technologies
Early registration deadline is October 13, 2017

(Use this form if paying with a check or Purchase Order – Register online if paying with a credit card. http://pavement.engineering.asu.edu)

Attendee Information

Name: __________________________________________
Company: ______________________________________
Address: ________________________________________
City/State/Zip: __________________________________
Email: _________________________________________
Phone: ____________________________ Date: __________

Registration Fee Includes:

Entry to technical sessions, Wednesday and Thursday continental breakfasts, luncheons, refreshment breaks, Welcome Reception Wednesday evening and parking during the conference. Presentations will be posted on the website after the conference. http://pavement.engineering.asu.edu

Cancellation Policy

Registrants unable to attend are encouraged to send a substitute at no additional charge. No refunds will be issued after Oct. 13, 2017.

Attendee Profile

- Consulting Engineer
- Contractor
- Equipment Manufacturer
- Materials Testing Laboratory
- Materials Producer
- Other
- Materials Supplier
- Federal Government
- State Government
- County Government
- City Government
- Full-Time Student

Registration Fees

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<tr>
<td>CONFERENCE REGISTRATION (2 days)</td>
<td>$260.00</td>
<td>$300.00</td>
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<tr>
<td>FULL-TIME STUDENT (2 days)</td>
<td>$25.00</td>
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<tr>
<td>Pavement Equipment Fair Only (Nov. 14)</td>
<td>$75.00</td>
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<tr>
<td>Pavement Equipment Fair with Conference Registration</td>
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Method of Payment

- Check Enclosed (made payable to Arizona State University)
- PO # ____________________________

If paying with a credit card, please register online at http://pavement.engineering.asu.edu

In order to assist with conference planning, please check the conference events you will attend (Open to all attendees):

Day 1 Lunch □ Indicate here for vegetarian meal □
Day 1 Welcome Reception □
Day 2 Lunch □ Indicate here for vegetarian meal □

Please Note: Request for a vegetarian lunch must be made on this registration form. Requests will not be taken at the conference.

Submit this form to:

Attn: Judy Reedy
School of Sustainable Engineering and the Built Environment
Arizona State University
PO Box 873005, Tempe, AZ 85287-3005
Fax: (480) 965-0557
Email: judy.reedy@asu.edu

pavement.engineering.asu.edu
As part of the Arizona Pavements/Materials Conference, three individuals who have made significant contributions to the advancement of the pavement/materials technology and programs in Arizona will be recognized and honored with a Pavements/Materials Conference Community Service Award to be presented during the luncheon on the first day of the conference, November 15, 2017.

One award will recognize a person working in the public sector - federal, state, local government agencies. The second award will recognize a person working in the private sector - contractors, consultants, material supplies, equipment suppliers, etc. and the third award will recognize someone in academia.

The basis for an award should be one or more of the following attributes:

- Exceptional contributions to technology enhancement relating to pavements/materials
- Excellence in implementing advanced technology into practice
- Excellence in bridging the gap between research and practice
- Exceptional contributions to the advancement of paving/materials programs in Arizona

The only restrictions on nominations are (1) recipients of the awards must conduct work in or reside in Arizona, and (2) members of the Award Selection Committee are not eligible.

Please use this form to submit your nomination by October 20, 2017. The Awards Selection Committee needs a concise paragraph outlining the basis for the nomination, emphasizing the notable contributions of the nominee to the pavements/materials program and/or industry in Arizona.

Nominations may be submitted at the conference website under the Service Awards tab or by completing this form and submitting it to:

Attn: Judy Reedy
School of Sustainable Engineering and the Built Environment
Arizona State University
PO Box 873005
Tempe, AZ 85287-3005
Fax: (480) 965-0557
Email: judy.reedy@asu.edu

http://Pavement.engineering.asu.edu

2016 Community Service Award Recipients

Henry Quinonez, MCDOT
Paul Basha, City of Scottsdale
Phillip Feliz, Western Technologies