Welcome to the 17th ARIZONA PAVEMENTS/MATERIALS CONFERENCE

2020 Enhancing Pavement Practices

Webinar Series
Oct. 7 - Nov. 19, 2020

Register at: pavement.engineering.asu.edu
Pavement Innovation

October 7, 2020 – 9:00-11:00am (MST)
Organizers: Claudia Zapata and Ellie Fini, ASU

Zoom:

Machine Learning in Pavements
9:00-9:30am
Bill Buttlar,
Glen Barton Chair in Flexible Pavements,
University of Missouri

The Use of Drones
9:30-10:00am
Carl Sullivan,
Manager, Sales Engineering,
Kespry

Using Lightweight Deflectometers for Compaction Control
10:00-10:30am
Charles Schwartz,
Professor and Department Chair,
University of Maryland

Future of Asphalt
10:30-11:00am
Frank Beer,
Leader, European/African Technical Team,
Shell International Petroleum Co.
John Read,
General Manager Technology,
Shell International Petroleum Co.
Durable Pavements

October 14, 2020 – 9:00-11:00am (MST)
Organizers: Matt Manthey, City of Mesa and John Shi, McDOT

**Zoom:**

**Crack Resistant Pavements**
9:00-9:30am
Pat Weaver,
President,
Solterra Materials
Rubben Lolly,
Special Projects Administrator,
Street Transportation Department,
City of Phoenix

**Cape Seals Treatments**
9:30-10:00am
Mo Rahman,
Technical Marketing Manager,
Ergon Asphalt & Emulsions, Inc.

**High Friction Surface Treatment (HFST) at curves to improve safety**
10:00-10:30am
Mazen Muradvcich,
Civil Engineer Senior,
Maricopa County Department of Transportation

**ADOT’s Pavement Preservation**
10:30-11:00am
Kevin Robertson,
Pavement Condition & Evaluation Manager,
Arizona Department of Transportation
National Updates

October 21, 2020 – 9:00-11:00am (MST)
Organizers: Tom Deitering, FHWA and Kamil Kaloush, ASU

Zoom:

Innovation and Professional Development
9:00-9:40am
Tom Harman,
Director,
Federal Highway Administration

FAA Pavement Testing and Research
9:40-10:20am
Navneet Garg,
Program Manager,
Federal Aviation Administration

Hampton Roads Bridge-Tunnel Expansion Project
10:20-11:00am
Martha Gross,
Technical Director,
Virginia Department of Transportation
Asphalt Pavement Improvements

October 28, 2020 – 9:00-11:00am (MST)
Organizers: Joe Phillips, Terracon and Hasan Ozer, ASU

Zoom:

Superpave5: Design at 5 Percent Air Voids
9:00-9:30am
Gerry Huber,
Associate Director of Research,
Heritage Research Group @ The Center

A Wide-Eyed Approach to Paving – The design and operational benefits to pave-wide
9:30-10:00am
Paul Yerkes,
Vice President-Technical Services,
Chicago Testing Laboratory, Inc.

Cold In-Place Recycling
10:00-10:30am
Matthew Manthey,
Pavement Manager Supervisor,
City of Mesa Transportation Department

Plastics in Asphalt Pavements
10:30-11:00am
Richard Willis,
Vice President, Research & Technology,
National Asphalt Pavement Association
Better Concrete Pavement Practices

November 4, 2020 – 9:00-11:00am (MST)
Organizers: Jesús Sandoval-Gil, ADOT and Kamil Kaloush, ASU

Zoom:

**Accelerated Construction utilizing GRS-IBS-I-40 Meteor City Bridge Replacement**
9:00-9:30am
Brent Conner,
Assistant State Materials Engineer,
Arizona Department of Transportation

**Dealing with PCCP Tie Bar Issues and Cross-Stitching Repairs**
9:30-10:00am
Dustin Bonar,
Vice President/Resident Engineer, Independent Quality Firm I-10 Papago Segment Manager,
CONSOR Engineers, LLC
Catherine Verdugo,
Independent Quality Firm PCCP Repair Lead Inspector,
CONSOR Engineers, LLC

**A Better Approach to Roller Compacted Concrete Pavements**
10:00-10:30am
George Tannoury,
Office Manager and Geotechnical Dept. Manager,
Terracon Consultants

**Machine learning and big data for concrete infrastructure materials and design**
10:30-11:00am
Narayanan Neithalath,
Professor,
School of Sustainable Engineering and the Built Environment, Arizona State University
Student Poster Presentations

November 12, 2020 – 9:00-11:00am (MST)
Organizers: Jose Medina and Ramadan Salim, ASU

Zoom:

9:00-11:00am
Enjoy 90-second Elevator Speeches and presentations from the competition winners.
Sustainable Use of RAP

November 18, 2020 – 9:00-11:00am (MST)

Organizers: Ellie Fini, ASU, Bob McGennis, HollyFrontier, Pat Weaver, Solterra Materials

Zoom:

Asphalt Rejuvenation 101
9:00-9:30am
Mike Anderson,
Director of Research,
Asphalt Institute

Sustainable Use of RAP from an HMA Producer Perspective
9:30-10:00am
Pat Weaver,
President,
Solterra Materials

City of Phoenix Case Study in Asphalt Rejuvenation
10:00-10:30am
Rubben Lolly,
Special Projects Administrator,
Street Transportation Department,
City of Phoenix

10:30-11:00am
Panel Discussion
Arizona Update

November 19, 2020 (Thursday) – 9:00-11:00am MST
Organizers: Kamil Kaloush, ASU and Jesús Sandoval-Gil, ADOT

Zoom:

ASU Welcome
9:00-9:15am
Ram Pendyala,
Director, School of Sustainable Engineering and the Built Environment, Arizona State University

ADOT Update
9:15-9:45am
Dallas Hammit,
State Engineer/Deputy Director for Transportation, Arizona Department of Transportation

McDOT Update
9:45-10:15am
Jennifer Toth,
Transportation Director / County Engineer, Maricopa County Department of Transportation

MAG Update
10:15-10:45am
Audra Koester Thomas,
Transportation Planning Program Manager, Maricopa Association of Governments

Arizona Outlook for 2021: Good, Bad or Ugly?
10:45-11:15am
Lee McPheters,
Professor and Director, W.P. Carey School of Business, Arizona State University