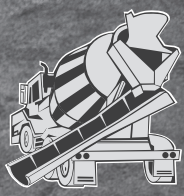


MISSOURI CONCRETE CONFERENCE



May 6-7, 2019 | Havener Center, Rolla, Missouri

TOPICS OF INTEREST

PAVEMENTS:

Subdivision Street Design and Specification
Joint Load-Transfer Options
Unified Pavement Design Method
Repair of Cracks vs. Panel Removal
Thin Pavement Overlay Mixtures

CONSTRUCTION:

Cold Weather Concreting
Maturity Testing in Missouri
ADA Construction Practices
Drilled Shaft Concreting

BUILDINGS & STRUCTURES:

Floor Slab Flatness
Floor Slab Moisture Considerations
ACI 301 Specification for Structural Concrete

READY MIX:

High Early Strength Mixtures
Entrained Air 101
Ready Mix Operations: Safety and Maintenance
Performance-Engineered Mixtures
ASR Mitigation with Supplementary Cementitious Materials
Replacement of Natural Sand with Manufactured Sand
Future of Aggregate: Durability Considerations

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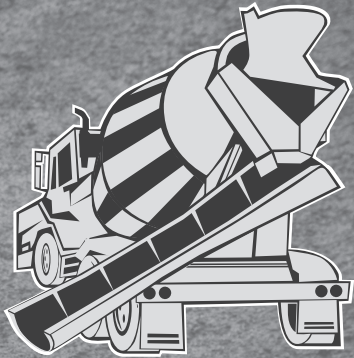
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Conference Registration Fee is \$160 for the two-day conference.
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Please refer this material to anyone who might be interested.

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In cooperation with the Department of Civil, Architectural, & Environmental Engineering at Missouri S&T.

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Joel Burken, PE, PhD
Chair of Civil, Architectural, and Environmental Engineering
Missouri S&T

David Richardson, PE, PhD, FACI
Chancellor's Professor of Civil, Architectural, and Environmental Engineering; Conference Director
Missouri S&T

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FIRST SESSION:
Chris Gottman, PE
Senior Vice President-Construction
Millstone Weber, LLC

SECOND SESSION:
Jeremy Bexten, PE
Project Engineer/Estimator
Emery Sapp & Sons, Inc.

THIRD SESSION:
Ron O'Kane, PE
Leigh & O'Kane, LLC

SPEAKERS (in alphabetical order)

Steve Bender, PE
Director of Public Works
City of O'Fallon

Dan Cook, PhD
Research Associate
Oklahoma State University

John Donahue, PE
Liaison Engineer
Construction & Materials Division
MoDOT

Jim Eckrich, PE
Director of Public Works/City Engineer
City of Chesterfield

Eric Ferrebee, PE
Director of Technical Services
American Concrete Pavement Assoc.

John Gnaedinger
Founder & Engineering Services Director
Con-Cure

Randy Hitt, PE
Liaison Engineer
Construction & Materials Division
MoDOT

Jesse Jonas, PE
Business Unit Leader,
Construction Services
Horner & Shifrin, Inc.

Kirk Juranas, PE
City of Springfield

Eric Marlinghaus, PE
Construction Services Manager
Quality Testing and Engineering, Inc.

Pat Martens, PE
Bridge Preservation Engineer
Bridge Preservation & Inspection Services, LLC

Lee Newton
Vice-President
Cummings, McGowan, & West, Inc.

Charles Nmai, PhD, FACI
Manager, Engineering Services
BASF

Patrick O'Brien, PE
Director of Technical Services
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Gordon Smith, PE
Associate Director
National Concrete Pavement Technology Center
Iowa State University

Brett Trautman, PE
Director, Physical Laboratory
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MISSOURI CONCRETE CONFERENCE 2019

Monday, May 6, 2019

St. Pat's Ballroom B&C

- 7:00 a.m. REGISTRATION
Miner Lounge
COFFEE, JUICE and DANISH
Exhibitors - St. Pat's Ballroom A
- 8:00 a.m. WELCOME
David Richardson, PE, PhD, FACI
Materials Area - Civil, Arch., & Env. Eng., Missouri S&T
Joel Burken, PE, PhD
Dept. of Civil, Arch., & Env. Eng., Missouri S&T

1st SESSION: PAVEMENTS

Moderator: Chris Gottman, PE - *Millstone Weber, LLC*

- 8:15 a.m. SUBDIVISION STREET PAVEMENT DESIGN
and SPECIFICATION PANEL
Steve Bender, PE - *City of O'Fallon*
Jim Eckrich, PE - *City of Chesterfield*
Kirk Juranas, PE - *City of Springfield*
- 9:00 a.m. THIN PAVEMENT OVERLAY MIXTURES:
Flexibility & Fibers
Charles Nmai, PhD, FACI - *BASF*
- 9:30 a.m. JOINT LOAD TRANSFER OPTIONS
Steve Tritsch, PE - *National Concrete Pavement
Technology Center*
- 10:00 a.m. REFRESHMENT BREAK
Exhibitors - St. Pat's Ballroom A
- 10:15 a.m. PERFORMANCE-ENGINEERED MIXTURES
Gordon Smith, PE - *National Concrete Pavement
Technology Center*
- 10:45 a.m. UNIFIED PAVEMENT DESIGN METHOD
Eric Ferrebee, PE - *ACPA*
- 11:30 a.m. ASR MITIGATION WITH SUPPLEMENTARY
CEMENTITIOUS MATERIALS
Steve Tritsch, PE - *National Concrete Pavement
Technology Center*
- 12:00 p.m. FIRST SESSION ADJOURNS

May 6 – 7, 2019

Havener Center, Rolla, Missouri

12:00 p.m.- 1:20 p.m. LUNCH ON YOUR OWN

**If you wish to attend the ACI Missouri Chapter Annual Meeting/
Luncheon, please make your reservation when you register for the
conference.*

2nd SESSION: CONSTRUCTION / READY MIX OPERATIONS

Moderator: Jeremy Bexten, PE - *Emery Sapp & Sons, Inc.*

- 1:30 p.m. LATEX-MODIFIED CONCRETE FOR
BRIDGE DECKS
Pat Martens, PE - *Bridge Preservation & Inspection
Services, LLC*
- 2:00 p.m. COLD WEATHER CONCRETING:
Best Practices & Expectations Reconciled
Gordon Smith, PE - *National Concrete Pavement
Technology Center*
- 2:30 p.m. USE OF MATURITY TESTING IN MISSOURI
John Gnaedinger - *Con-Cure*
- 3:00 p.m. REFRESHMENT BREAK
Exhibitors - St. Pat's Ballroom A
- 3:15 p.m. HIGH EARLY STRENGTH MIXTURES:
Achieving Strength & Durability
Patrick O'Brien, PE - *Breckenridge Material Co.*
- 3:45 p.m. ENTRAINED AIR 101
Dan Cook, PhD - *Oklahoma State University*
- 4:15 p.m. READY MIX OPERATIONS:
Safety & Maintenance
Lee Newton - *Cummings, McGowan & West, Inc.*
- 4:45 p.m. SECOND SESSION ADJOURNS
CASH/COMPLIMENTARY BAR & LAB TOURS
Presentation of New ACM Lab Plans
Butler-Carlton Hall Atrium



*Missouri Chapter American Concrete Institute Annual Meeting Luncheon

Tuesday May 6, 2019 - Noon Luncheon, Havener
Center, Carver/Turner Room, Missouri S&T Campus.

All persons attending the conference are invited
to join the ACI members at the luncheon.
*Please make your reservations when you register
for the conference.*

Tuesday, May 7, 2019

St. Pat's Ballroom B&C

7:30 a.m. COFFEE, JUICE and DANISH
Exhibitors - St. Pat's Ballroom A

3rd SESSION: BUILDINGS/STRUCTURES

Moderator: Ron O'Kane, PE - *Leigh & O'Kane, LLC*

- 8:00 a.m. MoDOT UPDATE:
Future of Aggregate: Durability Considerations
Replacement of Natural Sand with Manufactured Sand
Overlay Update
Rebound Hammer Evaluation of Full-Depth Repair
Repair of Cracks vs Panel Removal
Brett Trautman, PE | John Donahue, PE
- 9:00 a.m. ADA CONSTRUCTION PRACTICES
Jesse Jonas, PE - *Horner & Shifrin, Inc.*
- 9:30 a.m. FLOOR SLAB FLATNESS:
Achieving Flatness & Preventing Overkill
Sal Vitale - *VeeJay Cement*
- 10:00 a.m. REFRESHMENT BREAK
Exhibitors - St. Pat's Ballroom A
- 10:15 a.m. FLOOR SLAB MOISTURE CONSIDERATIONS
Eric Marlinghaus, PE - *Quality Testing & Engineering, Inc.*
- 10:45 a.m. ACI 301 SPECIFICATION FOR
STRUCTURAL CONCRETE
TBA
- 11:30 a.m. DRILLED SHAFT CONCRETING:
Best Practices & Testing
Randy Hitt, PE - *MoDOT*
- 12:00 p.m. CLOSING REMARKS
David Richardson, PE, PhD, FACI - *Missouri S&T*
- CONFERENCE ADJOURNS

Register online at concrete.mst.edu

MISSOURI CONCRETE CONFERENCE

