2020
Pontiac, Michigan

Tuesday, March 17 – Wednesday, March 18

The **Michigan Bridge Conference** is a multi-day Michigan LTAP event providing the latest information about innovation and research in bridge inspection, research, construction, repair, and management. **Day 1** delves into a specific topic that benefits state and local bridge engineers; bridge consultants; and personnel responsible for design, construction, and maintenance of bridges. **Day 2** encompasses a broader range of topics pertinent to engineers, engineering consultants, and surveyors from state, municipal, and local agencies who manage and work with bridge assets.
**Day 1—Educational Sessions**  
*Tuesday, March 17, 2020*

- 7:00 Registration & Breakfast Buffet
- 8:00 Welcome & Introductions  
  Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 8:15 State of the Art: Precast, Prestressed Concrete Bridges, & Industry Innovations  
  William Nickas, PE, *Precast/Prestressed Concrete Institute*
  Gregg A. Freeby, PE, *National Concrete Bridge Council*
- 9:00 Prestressed Concrete Theory, Design, & Analysis – Part 1  
  Dan Dowden, PhD, PE, *Michigan Technological University*
- 10:00 Break
- 10:15 Prestressed Concrete Theory, Design, & Analysis – Part 2  
  Dan Dowden, PhD, PE, *Michigan Technological University*
- 11:15 Prestressed Concrete Fabrication Process – Part 1  
  TBD
- 12:00 Lunch
- 1:00 Afternoon Bridge Quiz
- 1:15 Prestressed Concrete Fabrication Process – Part 2  
  Jordan Pelphrey, PE, *William & Works*
- 2:00 CFRP Reinforcement  
  Nabil Grace, PhD, PE, *Lawrence Technological University*
- 2:45 Break
- 3:00 Afternoon Bridge Quiz
- 3:05 How to Include New Materials/Techniques in Your Bridges  
  Matt Chynoweth, PE, *Michigan Department of Transportation*
- 3:30 Specialty/Innovative Precast Solutions  
  Jordan Pelphrey, PE, *William & Works*
- 4:00 Panel Discussion, Q&A, Final Thoughts  
  All presenters
- 4:45 Looking Ahead: Bridge Week 2021  
  Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 5:00 Adjourn

**Day 2—Conference Sessions**  
*Wednesday, March 18, 2020*

- 7:00 Registration & Breakfast Buffet
- 10:00 Federal Highway Administration Update  
  TBD
- 11:00 Michigan Department of Transportation Update  
  Matt Chynoweth, PE, *Michigan Department of Transportation*
- 9:00 Local Bridge Program Update  
  Keith Cooper, PE, *Michigan Department of Transportation*
- 9:30 Question & Answer Period  
  FHWA & MDOT
- 9:45 Break
- 10:00 NBIS Update  
  Brian Zakrzewski, PE, *Michigan Department of Transportation*
- 10:45 Asset Management Plans: Showing the Value of Preservation  
  Dave Juntunen, PE, *The Kercher Group, Inc.*
- 11:30 TBD
- 12:00 Lunch
- 1:00 TAMC Update  
  Beckie Curtis, PE, *Michigan Department of Transportation*
- 1:45 Innovative Sensor Test-bed Expansion for Mackinac Bridge  
  Nizar Lajnef, PhD, *Michigan State University*
- 2:30 Large Culvert Rehabilitation with a Spray Applied Structural Geopolymer Mortar Lining  
  Dave Keaffaber, PE, *GeoTree Solutions*
- 3:15 Break
- 3:30 Non-destructive Bridge Inspection using Ground Penetrating Radar  
  Glen Simula, PE, *GS Infrastructure, Inc.*
- 4:15 Economical, Shallow-depth Press-Brake-Formed Steel Tub Girder Superstructures  
  Guy Nelson, PE, SE, *TEGcivil*
  Dewayne Rogers, *Clare County Road Commission*
- 5:00 Adjourn

The 2020 Michigan Bridge Conference Day 1 counts for 7.5 instructional hours for Continuing Education for Professional Engineers.
Registration

You must register separately for each day. Seating is limited; register early to ensure participation.

Day 1—Educational Sessions......Register HERE
Employees of Public Agencies........................................$90
Employees of Private Companies.................................$120

Day 2—Conference Sessions......Register HERE
Employees of Public Agencies........................................$90
Employees of Private Companies.................................$120

Visa, MasterCard, Discover, and American Express are accepted. The registration fee includes all sessions and materials for the day, breakfast, lunch, and break refreshments; it does not include hotel accommodations. Please notify us in advance if you have special dietary needs.

MDOT staff nominated for attendance will be contacted by Sarah Wedley to be included in the MDOT attendee list for bulk registration. Sarah can be reached at (517) 636-6144 or wedleys@michigan.gov.

Cancellation Policy: No-shows and cancellations within three business days prior to the workshop or conference will be charged the full registration fee. Substitutions will be accepted.

Questions? Contact the Center for Technology & Training at ctt@mtu.edu.

Continuing Education

See the CTT’s policy for Continuing Education for Professional Engineers in Michigan here.

Conference Location & Accommodations

Marriott Auburn Hills Pontiac
(248) 253-9800 | www.marriott.com | 3600 Centerpoint Parkway
Pontiac, Michigan 48341

Rooms have been set aside for conference attendees at Marriott Auburn Hills Pontiac on a first-come, first-served basis at the group rate of $117.00/night per room. To reserve a room at this rate, call the Marriott at (800) 579-8395 and mention the MI Bridge Conference event, or book online at www.marriott.com.

Directions to Marriott Auburn Hills Pontiac

From I-75:
• Take Exit 75 toward Square Lake Road/Business Loop 75.
• Continue onto I-75BL. Continue 0.3 miles.
• Use right lane to take Opdyke Road/Centerpoint Pkwy exit. Continue 0.3 miles.
• Continue on Centerpoint Parkway through the Opdyke Road intersection.
• Destination is the second turn on the left.

To register for the 2020 Michigan Bridge Conference:

For the Day 1 Educational Sessions, visit:

http://ctt.nonprofitsoapbox.com/2020bridgeconference-d1

For the Day 2 Conference Sessions, visit:

http://ctt.nonprofitsoapbox.com/2020bridgeconference-d2

More training opportunities at ctt.mtu.edu/training