



Michigan Bridge W E E K



2021 Virtual Event

Day 1—Updates & Conference Sessions

Tuesday, March 16, 2021
8:30 a.m. - 4:00 p.m. ET

Day 2—MORNING: Conference Sessions AFTERNOON: Workshop Sessions

Wednesday, March 17, 2021
8:30 a.m. - 4:30 p.m. ET

Day 3—Workshop Sessions

Thursday, March 18, 2021
8:30 a.m. - 4:30 p.m. ET

The Michigan Bridge Week is a multi-day event blending conference sessions and workshop opportunities.

The Michigan Bridge Conference sessions covers a range of bridge-related topics that include inspection, construction, and repair techniques; bridge load rating; regulations and requirements; safety; bridge asset management; and the latest in bridge research and innovation.

The Michigan Bridge Workshop sessions provide a more in-depth look at specific bridge theory, design, and analysis topics.

Employees of government and private agencies are all welcome to attend. The Michigan Bridge Week is hosted by the Center for Technology & Training, home of the Michigan Local Technical Assistance Program and the Michigan Bridge Load Rating Program.

Michigan Bridge Week Agenda

Day 1: Tuesday, March 16 Updates & Conference Sessions

- 8:30 Welcome & Introductions
Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 1 8:40 MDOT Update
Matt Chynoweth, PE, *Michigan Department of Transportation*
- 2 9:15 Local Bridge Program Update
Keith Cooper, PE, *Michigan Department of Transportation*
- 3 9:45 Q&A with MDOT
MDOT Representative(s)
- 10:00 Break
- 4 10:15 NBIS Update
Brian Zakrzewski, PE, *Michigan Department of Transportation*
- 5 10:45 TAMC Update
Beckie Curtis, PE, *Michigan Department of Transportation*
- 11:30 Lunch Break
- 6 12:30 Bridge Asset Management: The Value of Preservation
Dave Juntunen, PE, *The Kercher Group*
- 7 1:15 CFRP Reinforcement
Nabil Grace, PhD, PE, *Lawrence Technological University*
Brad Wagner, PE, *Michigan Department of Transportation*
- 2:00 Break
- 8 2:15 Development of Traffic Live-load Models for Bridge Rating
Sasan Siavashi, PhD, *IMEG Corp*
- 9 3:00 Innovative Accelerated Bridge Construction Project in St. Clair County
Guy Nelson, PE, SE, *TEGcivil*
Bill Hazelton, PE, *St. Clair County Road Commission*
- 3:45 Closing Comments
Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 4:00 Adjourn

Day 2: Wednesday, March 17 Conference Sessions

- 8:30 Welcome & Introductions
Zack Fredin, PE, *Center for Technology & Training*
- 10 8:40 Resources Available from the National Concrete Bridge Council
Gregg A. Freeby, PE, *American Segmental Bridge Institute*
Reid Castrodale, PhD, *Expanded Shale, Clay, & Slate Institute*
- 10:15 Break
- 11 10:30 Prestressed Concrete Fabrication
Jordan Pelphrey, PE, *William & Works*
- 12 11:15 Specialty/Innovative Precast Solutions
Jordan Pelphrey, PE, *William & Works*
- 12:00 Lunch Break

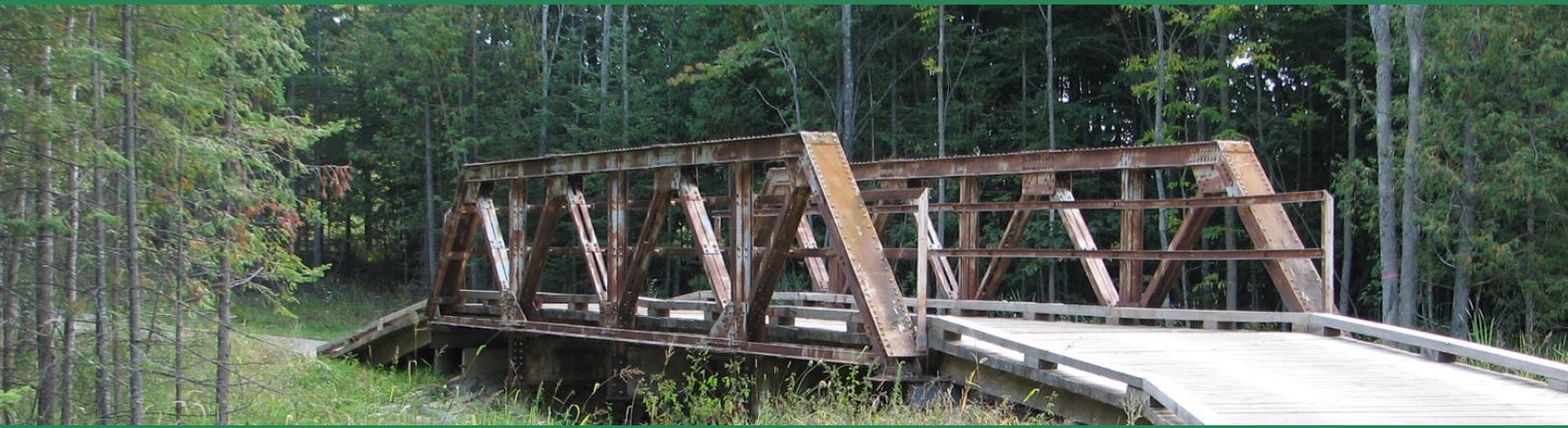
Workshop Sessions

- 13 1:00 Precast Concrete Theory, Design, & Analysis
Dan Dowden, PhD, PE, *Michigan Technological University*
- 4:15 Closing Comments
Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 4:30 Adjourn

Day 3: Thursday, March 18 Workshop Sessions

- 8:30 Welcome & Introductions
Chris Gilbertson, PhD, PE, *Center for Technology & Training*
- 14 8:40 Steel Sheet Pile Design
Stan Vitton, PhD, PE, *Michigan Technological University*
- 12:00 Lunch Break
- 15 1:00 Two-span Steel Plate Girder Bridge Design
Upul Attanayake, PhD, PE, *Western Michigan University*
- 4:15 Closing Comments
Chris Gilbertson, PhD, PE, *Center for Technology & Training*
Zack Fredin, PE, *Center for Technology & Training*
- 4:30 Adjourn





Virtual Event

Virtual event access information will be sent to registered attendees via e-mail from the Center for Technology & Training (CTT) closer to the date of the conference. The virtual event will allow you access to attend all technical sessions and to all handout materials. Please pay attention to e-mails you receive from the CTT closer to the date of the virtual event for further details.



Registration*

You must register separately for the conference sessions and each of the workshop sessions. Register early to ensure participation.

Day 1 – Day 2 Morning: Conference Sessions\$50

Register at ctt.nonprofitsoapbox.com/2021bridge

Day 2 Afternoon – Day 3: Workshop Sessions....\$75 per session

#13: Register at ctt.nonprofitsoapbox.com/2021bridge13

#14: Register at ctt.nonprofitsoapbox.com/2021bridge14

#15: Register at ctt.nonprofitsoapbox.com/2021bridge15

Visa, MasterCard, Discover, and American Express are accepted. The registration fee includes access to all technical sessions, materials, and handouts as listed on the agenda.

MDOT staff with registration questions should contact Sarah Wedley at (517) 636-6144 or wedleys@michigan.gov.

Questions? E-mail the CTT at ctt@mtu.edu.

* Required for fulfillment of continuing education (Center for Technology & Training policy: ctt.mtu.edu/Continuing-Education). The 2021 Michigan Bridge conference sessions (including updates) count for 10 instructional hours of continuing education for professional engineers. The 2021 Michigan Bridge workshop sessions count for 3.5 instructional hours per workshop session of continuing education for professional engineers.

Cancellation Policy: No-shows/cancellations within three business days prior to the event will be charged the full registration fee. Substitutions accepted.

Accommodation requests related to a disability should be made by ten business days prior to the event to ctt@mtu.edu.

Michigan Technological University is an Equal Opportunity Educational Institution/ Equal Opportunity Employer that provides equal opportunity for all, including protected veterans and individuals with disabilities.



Register now for 2021 Michigan Bridge Week!

For Day 1– Day 2 Morning: Updates & Conference Sessions, visit:

<http://ctt.nonprofitsoapbox.com/2021bridge>

For Day Afternoon – Day 3: Workshop Sessions, visit:

Session 13: <http://ctt.nonprofitsoapbox.com/2021bridge13>

Session 14: <http://ctt.nonprofitsoapbox.com/2021bridge14>

Session 15: <http://ctt.nonprofitsoapbox.com/2021bridge15>

More training opportunities at ctt.mtu.edu/training



Michigan Technological University • Department of Civil & Environmental Engineering

The Center for Technology & Training is located on the campus of Michigan Technological University. Programs managed by the CTT include the Michigan Local Technical Assistance Program, Roadsoft, the Michigan Engineers' Resource Library, and the Bridge Load Rating Program. The CTT's mission is to develop technology and software, coordinate training, and conduct research to support the agencies that manage public infrastructure. For more information, visit ctt.mtu.edu.
