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# Local Concrete Seminar

Troubleshooting, Soo Locks, Type 1L and FRP

## Event & Registration Details

### Location: Livonia

**Date:** October 24, 2023

**Time:** 8:00 AM - 12:00 PM ET

**Place:** VistaTech Center at Schoolcraft College  
18600 Haggerty Road Livonia, Michigan 48152

**Cost:** \$60 per person

**Registration Deadline:** October 17, 2023

Register for this session by selecting the event date above.

QUESTIONS?



[ctt@mtu.edu](mailto:ctt@mtu.edu)

### Location: Okemos

**Date:** October 26, 2023

**Time:** 8:00 AM - 12:00 PM ET

**Place:** MITA Building  
2937 Atrium Drive Okemos, Michigan 48864

**Cost:** \$60 per person

**Registration Deadline:** October 17, 2023

Register for this session by selecting the event date above.

**VIRTUAL OPTION AVAILABLE  
for the October 26th session!**

*Registration is required for fulfillment of continuing education. Read the Center for Technology & Training policy [here](#).*

*No-shows/cancellations within three business days of the event are charged the full registration fee; substitutions accepted*

*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.*

*Accommodation requests related to a disability should be made at least ten business days prior to the event by emailing [ctt@mtu.edu](mailto:ctt@mtu.edu).*

# Agenda

07:45 AM REGISTRATION, COFFEE, CONTINENTAL BREAKFAST

08:00 AM WELCOME & INTRODUCTIONS

08:15 AM TROUBLESHOOTING CONCRETE CONSTRUCTION

Steve Waalkes, MCA

*Steve will cover the basics of troubleshooting issues with concrete construction, detailing the investigation and methodology for determining the causes for uncontrolled concrete concerns such as popouts, scaling, and cracking. He will also discuss potential mitigation strategies to fix and prevent these common issues on your projects.*

09:00 AM BREAK

09:10 AM CURRENT STATUS OF THE NEW SOO LOCK

Brian Lucarelli, U.S. Army Corps of Engineers

*The U.S. Army Corps of Engineers is in the midst of building a new 110-foot by 1,200-foot lock in the existing footprint of the decommissioned Sabin Lock. This will allow for redundancy for the Poe Lock which allows the largest freighters currently plying the Great Lakes to pass through. Hear about the design of the lock and the significant use of concrete to achieve this engineering feat.*

10:00 AM BREAK

10:10 AM TYPE 1L CEMENT: HOW IS IT GOING?

Chris Kennedy, St. Marys Cement

*Now that the concrete industry has over a year of experience with Type 1L cement in Michigan, what are the early results? Have there been any concerns? Chris will discuss the basics of portland-limestone cement and how the industry is implementing this lower-carbon binder.*

11:00 AM BREAK

11:10 AM DESIGNING WITH AND USING FIBER-REINFORCED POLYMER (FRP) REBAR

Matt Kero, GatorBar

*Did you know that the American Concrete Institute (ACI) recently published a new standard (ACI 440) on designing with FRP rebar? Matt will discuss the benefits of these materials and how to design concrete structures using these products. Come see why FRP rebar is preferred over standard epoxy-coated steel in many situations.*

12:00 PM ADJOURN