



RE-CAST

2014 SEMINAR SERIES

Structural Health Monitoring (SHM) & Non-Destructive Evaluation (NDE): **In-Situ Load Testing and Instrumentation for Advanced Construction Material Applications**

Presenter: John J. Myers, Ph.D., P.E., F.ACI, F.ASCE
Professor of Civil, Architectural and Environmental Engineering

**DATE: Wednesday
March 5th, 2014**

TIME: 1:00 pm*

**LOCATION:
Room 213, Butler
Carlton CE Hall**

**Note: The seminar is scheduled for approx. 1 hour (60 minutes), but the room has been reserved for 90 minutes to allow for attendee interaction as required.*

**ALL FACULTY &
STUDENTS ARE
INVITED TO
ATTEND.**

Description: This seminar will provide an introductory overview of the motivation for assessment and load testing of bridge structures. During the seminar, advanced construction materials, including composites for repair and new construction, as well as advanced concrete materials, will be introduced. The seminar will include an overview of these new technologies and demonstrate field implementation applications. Additionally, an overview of SHM & NDE instrumentation sensors and equipment used for assessment and load testing will be presented. Finally, two case studies will be presented to articulate a typical instrumentation project and load testing project.

Seminar Learning Objectives:

- What are common composite strengthening materials and advanced concrete materials often used in implementation projects within the past decade for SHM and NDE?
- What type of instrumentation is used for monitoring and load testing of innovative implementation projects?
- How is a typical instrumentation and/or load testing project undertaken?

**FOR INQUIRIES, PLEASE CONTACT:
ABIGAYLE SHERMAN, RE-CAST COORDINATOR
EMAIL: ABIGAYLE@MST.EDU ::: PHONE: 573-341-7884**