



## Monitoring Structural Concrete During Construction

### Dinner Meeting Notice for ACI–Wisconsin

Delafield Brewhaus  
Delafield, WI

**Thursday**

September 20, 2018

Cocktails: 5:30pm

Dinner: 6:00pm

Program: 7:00pm

ACI–WI member \$25

Non–members \$30

Students \$5

Credit Cards Accepted  
Online and at the door.  
Cash and Checks payable  
to ACI–WI also accepted.

Register Today!

Please send reservations to:  
Todd Brandenburg

[tbrandenburg@euclidchemical.com](mailto:tbrandenburg@euclidchemical.com)

608.575.9155

Registration Deadline:

9/18/18 @ Noon

- What properties of early-age concrete should be monitored during the construction process?
- Why should we be monitoring the concrete in the first place?
- How can we monitor the concrete easily and inexpensively?
- Now that we are monitoring the concrete, we want to see the data remotely. How is that accomplished?
- And finally, what can I do with all this information? How will it improve the construction process, from quality control, scheduling, and safety, to energy efficiency?

Using case histories and supporting research, the benefits of monitoring concrete temperatures and conducting maturity testing on virtually any cold-weather and time-sensitive concrete placement will be discussed, particularly post-tensioned and other high-risk structures. A brief technical introduction to maturity testing will be included. And finally, using examples of new wireless technology, the ability to make important decisions about critical construction milestones remotely and in real time will be explored.

Mr. Gnaedinger is the founder and past president of Con-Cure Corporation, which conducted more than 25,000 concrete maturity tests covering many high-risk applications across the globe, including post-tensioned structures, concrete bridges, mass concrete and high-rise buildings over the past 20 years. Con-Cure was recently acquired by Premiere Concrete Solutions, a large Ohio firm specializing in innovative concrete technologies, where he serves as the Director of Engineering Services. He is a member of the American Concrete Institute, where he is a voting member of the ACI Cold Weather committee 306. He is a member of ASTM, where he is a voting member on the standards committee for Maturity (C1074). He also served on the Cold Weather committee of the Concrete Foundations Association, and is active in the Concrete Council of St. Louis.