ACI Illinois Chapter – UIUC Chapter Joint Dinner Meeting
Wednesday, March 9, Research Tour at 5:00 pm, Presentation at 6:00 pm
Newmark Civil Engineering Lab North Crane Bay

Great opportunity to network with concrete industry representatives from all over Illinois!

Unique Concrete Mixes Used In Three Recent Notable St. Louis-Area Concrete Structures

Presented by Mr. Mark Luther,
Senior Technical Service Engineer for LafargeHolcim

Unique concrete mixes are visited for three notable recent concrete structures completed in the St. Louis area in the past four years.

- **Stan Musial Veterans Memorial Bridge**, which spans the Mississippi River at St Louis and carries I-70. Each of the two pylons employed a mass-concrete mix that was used in other concrete classes. The main castings were over 3500 cubic yards and took almost two days to place.
- **The Blanchette Bridge** spans the Missouri River along I-70. The west-bound bridge was replaced, and a complex 110 pound-per-cubic-foot low-permeability lightweight-concrete mix was used for the deck and the parapets.
- **The MD&A Test Facility** is a blast-containment structure that employed a mass-concrete, self-consolidating, steel-fiber-reinforced mix. The chamber contains large motors that are at risk of explosion during testing.

Mr. Mark Luther is a Senior Technical Service Engineer for LafargeHolcim, a large cement company, working out of the St. Louis area. Mr. Luther earned a BS and a MS in civil engineering from Purdue University. He has authored over two dozen papers and conducted over 1200 speeches or presentations about concrete.

There will be dinner and beverages during the meeting.

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