

Time: 5:30pm Registration & Cocktails
6:00pm Dinner
7:00pm Program

Location:
Kingsgate Conference Center
151 Goodman Street
Cincinnati, OH 45219
(513)487-3800

Dinner Cost:
\$40.00 reserved members
\$45.00 w/o reservation or non-member
\$15.00 Students
Invoices will be sent to those who make reservations and do not attend

Reservations:
Tom Kolber 937-531-1281
tom.kolber@Woolpert.com
Cutoff Date: Monday
Dec 5, 2011

Must Pay at the door: Cash,
Check, Visa, MasterCard, or
Discover

This
Month's
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ACI GENERAL MEMBERSHIP MEETING

Wednesday Dec. 7th, 2011

The Concrete Quality Control Challenge, Twins Separated at Birth.



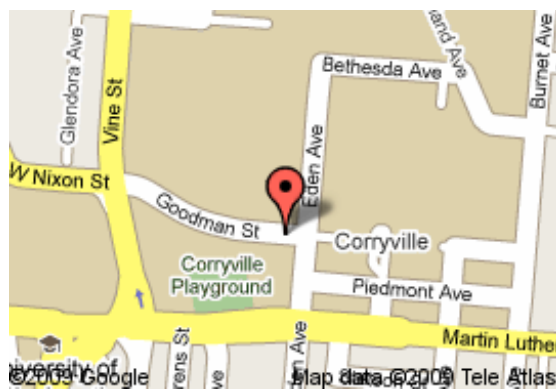
American Concrete Institute
Greater Miami Valley Chapter

Visit our web-
site www.acigmvc.com



Concrete cylinders and the concrete in the actual structure are like twins separated at birth. They both have the same parents, they share the same DNA, and if they were both exposed to the same environments and life experiences, they would grow up to be similar in many ways—sometimes even identical in appearance and behavior. But the concrete cylinders and the concrete structure were separated at birth. In fact, they were separated at the end of the truck chute. One was made in layers and placed by hand with a scoop while the other was squeezed, compressed, decompressed, dropped, and splattered into one or many layers. One was mercilessly beaten and smacked with a steel rod, while the other was shaken with a vibrator (or not). The rod treatment did not change the air content much, but the vibrator knocked the socks out of the air. One twin was left more or less alone, all by itself in a cold or hot cruel world for a day or so before it was rewarded by being sent off to a spa where it was pampered and kept warm and moist until its day of reckoning (but the trip to the spa may have been pretty bumpy). The other twin was at least surrounded initially by more of its own kind (minimizing the effect of ambient conditions), but then it was left for the rest of its adolescence in a more or less uncontrolled environment. Finally they meet, in the form of cylinder strength vs. core strength, and air content at the chute vs. air content in place. Is it any wonder that the “twins” are now very different from each other? Our after-dinner discussion will explore any applications that this story might have on specifying and interpreting standard concrete tests.

Ken Hover is a Professor of Civil & Environmental Engineering and Stephen Weiss Presidential Fellow at Cornell University in Ithaca, New York, and currently President of the American Concrete Institute and Past President of the Greater Miami Valley Chapter of ACI. He is a member of ACI Committees 305 (hot weather), 306 (cold weather), 318A (concrete and construction), past-chair of 308 (curing), and past-chair of 301C (materials and construction).



Bridging the
Gap Between
Theory and Practice
with the Greater Miami Valley Chapter

Mission Statement: Through comradeship we will provide information and promote technology, design, and construction in the concrete industry.

Our Vision: To help create the highest quality of concrete construction in a flourishing industry

CHAPTER OFFICERS 2011 - 2012

		Term Ending
Past President:	Ryan Hoerst, Messer Construction (513) 242-1541 rhoerst@messer.com	6/2012
President:	Dennis Knose, Baker Concrete (513) 539-4037 knose@bakerconcrete.com	6/2012
Vice President:	Mark Cooper, Sardinia Concrete. (513) 767-5158 mark.cooper@sardiniaconcrete.com	6/2012
Treasurer:	Tom Dorsey, (513) 746-6302 tom.dorsey@cmasupply.com	at discretion of BOD
Secretary:	John Davidson, Ohio Concrete (513) 607-9921 concreteman@cpcso.org	at discretion of BOD
Director:	Dan Dorfmueller, D.P.Dorfmueller Co., Inc. (513) 313-3684 dorf@dorfmueller.us	6/2012
Director:	Jason Huber, THP, Ltd. (513) 241-3222 jhuber@thpltd.com	6/2012
Director:	Rich Gardner, Cera Tech, Inc., (219) 741-5885	6/2012
Director:	Robin Hahn, Advantage Group (513) 396-8900 rrhahn@agengineers.com	6/2013
Director:	Jason Sander, HC Nutting (513) 321-5816 jsander@hcnutting.com	6/2013
Director:	Jay Moore, Ernst Concrete (859) 393-8828 jmoore@ernstconcrete.com	6/2013
Director:	Tom Mackzum, Janell, Inc. (937) 530-9111 tom.mackzum@janell.com	6/2014
Director:	Dallas Hall, Turner Construction, (513) 616-9076 dhall@tcco.com	6/2014
Director:	Vacant	6/2014
Student Chapter Faculty:	Shelley Abercrombie, HGC, (513) 861-8866 sabercrombie@hgconstruction.com	at discretion of BOD
	Mousa Gargari, UC College of Engineering & Applied Sciences (mousa.gargari@uc.edu 513) 556-5342	Indefinite

ACI GMVC Committees

Meeting Sponsorship Committee:	Robin Hahn
Monthly Bulletins:	John Davidson
Membership Committee:	Tom Dorsey/ Ryan Hoerst
Meeting Coordination:	Mark Cooper
Scholarship Committee:	John Davidson (Chair), Bud Ruffing, Dan Dorfmueller
Social Activities Committee:	Tom Dorsey
Chapter Library:	Tom Mackzum
Website Committee:	John Davidson (Chair)
ACI International 2011 Convention Committee:	Dan Dorfmueller (Chair), Bud Ruffing, Tom Dorsey

The committees are open to participation from general members. Please contact a board member or a committee member if you are interested in participating on a committee.

Corporate Members: Baker Concrete, Bowser-Morner, Cincinnati Ready Mix Concrete, CMA Supply, Contractors Materials Corp., Ernst Concrete, Essroc, Euclid Chemicals, Hilltop Basic Resources, Holcim (US) Inc. Janell Inc., Lehigh Cement, McD Concrete, Messer Construction, Parsons and Prows, Prus Construction, Sardinia Concrete, Steven Schaefer Assoc. Inc., THP Ltd., Turner Construction, Universal Contracting Corp.

Individual Members: John Davidson, Dan Dorfmueller, Rich Gardner, Dan Holman, Jason Huber, Danny McCloud

Upcoming Events Listed on our website Calendars www.acigmvc.com

January 11 Dinner	Progressive Collapse Design Sponsor: McD Enterprises
February	ACI Social Event Sponsor: Lehigh Cement
March 7 Lunch	Study Understanding the Environmental Advantages of Concrete and an update on the MIT Sponsor: Janell Inc.
April 4 Lunch	Roller Compacted Concrete Sponsor: HC Nutting
May 2	Job Tour, Site TBD Sponsor: Essroc Cement
June 11	ACI Annual Golf Outing, Traditions GC, Sponsor: Hilltop Basic Resources