

REGISTRATION FORM

2009 CONCRETE TECHNOLOGY FORUM ♦ MAY 13-15, CINCINNATI, OH

Contact Information:

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Hotel and Travel Information:

Westin Cincinnati
21 E. 5th Street
Cincinnati, OH 45202
Phone: (513) 621-7700

Make reservations by phone at (513) 621-7700 or online at www.ConcreteTechnologyForum.org. Mention "NRMCA" to receive the conference rate of \$179 per night (on or before April 24, 2009).

Questions? For additional information, contact Jessica Moore, (240) 485-1152, jmoore@nrmca.org.

Cancellation Policy: NRMCA will refund registration fee less a \$100.00 administration fee if registration is cancelled on or before April 28, 2009. All cancellations after April 28, 2009, will not be refunded. Cancellations must be made in writing to NRMCA Meetings Dept., 900 Spring Street, Silver Spring, MD 20910 or by fax to (301) 565-8200. NRMCA reserves the right to close registration in order to not exceed capacity. NRMCA reserves the right to cancel the conference. If that should occur, NRMCA will notify registrants by fax or e-mail by April 28, 2009. NRMCA will refund the entire registration fee but not unused airline tickets, hotel reservation fees, or other travel related expenses.

STEPS This program fulfills some of the requirements for NRMCA's STEPS® Certified Concrete Professional program. Visit www.nrmca.org/STEPS for details.
SEMINAR, TRAINING & EDUCATION PROGRAMS



Sponsors | National Ready Mixed Concrete Association | BASF Admixtures | Command Alkon | Euclid Chemical | Grace Construction Products | Lafarge | Sika Corporation

Organizational Partners | American Coal Ash Association | American Concrete Institute | American Society of Concrete Contractors | Ohio Ready Mixed Concrete Association | Portland Cement Association | Silica Fume Association

Registration Fee:

- \$395** Early registration (on or before 4/28/09)
 \$495 Regular registration (after 4/28/09)
 \$195 Students/Speakers

Payment Method:

- VISA** **MasterCard** **American Express**

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For credit card payment, fax registration form to Jessica Moore, Meetings Dept., NRMCA, (301) 565-8200.

- Check** (make check payable to NRMCA).
Mail registration form and check to:
SunTrust Bank, c/o NRMCA
P.O. Box 79433
Baltimore, MD 21279

Professional Development Hours Attendees can earn up to 11 Professional Development Hours for participating in this NRMCA program.



www.concretetechnologyforum.org

May 13-15, 2009. Cincinnati, OH. The 4th Annual Concrete Technology Forum Focus on Performance Prediction.

Explore the latest advancements in testing and modeling of concrete performance.

Join us for the *2009 Concrete Technology Forum: Focus on Performance Prediction*, May 13-15, 2009, at the Westin Cincinnati. This symposium and product expo will bring researchers and practitioners together to discuss the latest advances, technical knowledge, continuing research, tools and specifications that involve test methods and modeling to predict concrete performance and service life of concrete structures.

Session Topics Latest advances, technical knowledge, continuing research, tools and solutions for testing and modeling concrete performance including:

- ◆ Hardened Concrete properties
- ◆ Plastic concrete properties
- ◆ Concrete applications
- ◆ Performance prediction

Who Should Attend? Researchers, engineers, architects, contractors, concrete producers, material suppliers, public works officials, and concrete industry professionals are invited to attend.

Product Expo A product expo featuring companies that offer products and services to enhance and predict concrete performance will be open during the conference.

Register Early and Save Sign up today for the *Concrete Technology Forum* and enhance your expertise and knowledge on performance prediction.

- ◆ Early Registration: \$395 (on or before 4/18/09)
- ◆ Late Registration: \$495 (after 4/18/09)
- ◆ Students: \$195

Register Early and Save \$100

Sign up today for the 2009 Concrete Technology Forum and enhance your expertise and knowledge on performance prediction.

Early Bird Deadline is April 28, 2009

Online: www.ConcreteTechnologyForum.org
Mail or Fax: Complete the attached registration form
Phone: (240) 485-1152

www.concretetechnologyforum.org



Sponsors



Organizational Partners

American Coal Ash Association
American Concrete Institute
American Society of Concrete Contractors
Ohio Ready Mixed Concrete Association
Portland Cement Association
Silica Fume Association

2009 Concrete Technology Forum
National Ready Mixed Concrete Association
900 Spring Street
Silver Spring, MD 20910

PROGRAM AT A GLANCE

	WEDNESDAY, MAY 13	THURSDAY, MAY 14	FRIDAY, MAY 15
7:00 AM - 8:00 AM		Breakfast in Exhibit Hall	Breakfast in Exhibit Hall
8:00 AM - 10:00 AM		G01 General Session G01.1 Assuring Performance Through Intelligent Standards, T. Fiorato G01.2 Challenges to Prediction of Concrete Performance, R.D. Hooton G01.3 Testing to Verify In-Place Performance, N. Carino	T05 Technical Session T05.1 Long-Term Chloride Penetration Resistance of Bridge Decks Made with Silica Fume Concretes, R. D. Hooton, E. Bentz and T. Kojundic T05.2 Measuring Concrete Permeability using Dynamic Pressurization, C. Jones and Z. Grasley T05.3 Early Age Tests and Criteria for Predicting Long-Term Chloride Penetration into Concrete, K. Obla and H. Kim T05.4 Testing and Monitoring Concrete using Novel Methods for Predicting their Long Term Behaviour, S. Nanukuttan, L. Basheer, M. Basheer, N. Holmes, J. McCarter, M. Chrisp and G. Starrs T06 Technical Session T06.1 Practical Concrete Mixture Evaluation Via Semi-Adiabatic Calorimetry, T. Cost and A. Gardiner T06.2 Eco-Efficiency Analysis of Ready-Mixed Concrete Mixtures: Modeling and Predicting its Environmental Fingerprint, M. Bury T06.3 Influence of Binder and Activator Types, and Curing Conditions on the Compressive Properties of Cement Free Binder (CFB) Concretes, D. Ravikumar, S. Peethamparan and N. Neithalath T06.4 Quantifying the Influence of Cracking on the Long-Term Durability Performance of Concrete, M. Pour-Ghaz, F. Rajabipour, J. Couch and J. Weiss
10:00 AM - 10:30 AM		Break in Exhibit Hall	Break in Exhibit Hall
10:30 AM - 12:00 PM		T01 Technical Session T01.1 Flatwork Scaling: Still a Problem, D. Lankard T01.2 Concrete Testing on the I-35 Bridge in Minneapolis, K. MacDonald T01.3 Measurement of Very Early Age Strengths of Sprayed Concrete (Shotcrete), K. Sompura T02 Technical Session T02.1 Measurements and Prediction of Formwork Pressure Exerted by SCC, K. Khayat and A. Omran T02.2 Workability and Self Consolidating Concrete, J. Holley T02.3 The Impact of Rheology Control for Producing Segregation-Resistant SCC Mixtures, A. Jeknavorian, E. Koehler and J. Malone	G04 General Session G04.1 The Virtual Cement and Concrete Testing Laboratory: Performance Prediction for Ready Mixed Producers, J. Bullard, N. Martys and E. Garboczi G04.2 Using Life-365 v2.0 to Estimate Uncertainties in Service Life and Life-Cycle Costs, M. Ehlen G04.3 Concrete Heat Signature, Temperature and Field Performance, F. Radjy
12:00 PM - 1:30 PM		Lunch in Exhibit Hall	Program Content Subject to Change
1:30 PM - 3:00 PM		T03 Technical Session T03.1 Storm Water Infiltration in Clay Soils, C. J. Estes T03.2 Predicting the Permeability of Pervious Concrete from Planar Images, M. Sumanasooriya, D. Bentz and N. Neithalath T03.3 Predicting Performance of Pervious Concrete using Fresh Unit Weight, J. Kevern, V. Schaefer and K. Wang T04 Technical Session T04.1 Process Control to Enable Successful High Performance Concrete, T. Durning and J. Sostaric T04.2 Revolutionary Way to Control the Delivery Process, B. Berman T04.3 Application of Rheology Measurements to Enable and Ensure Concrete Performance, E. Koehler, W. Brooks, A. Neuwald and E. Mogan	 <p>Register Early and Save \$100 Sign up today for the 2009 Concrete Technology Forum and enhance your expertise and knowledge on performance prediction. Early Bird Deadline is April 28, 2009</p> <p>Online: www.ConcreteTechnologyForum.org Mail or Fax: Complete the attached registration form Phone: (240) 485-1152</p> <p>WWW.CONCRETE TECHNOLOGY FORUM.ORG</p>
3:00 PM - 3:30 PM		Break in Exhibit Hall	
3:30 PM - 5:00 PM		G02 General Session G02.1 Panel Discussion: What Role will Concrete Performance Play in Sustainable Development? M. Chrzanowski, A. Fiorato, L. Lemay	
5:00 PM - 6:00 PM	Registration Open Outside Exhibit Hall	G03 General Session G03.1 Looking for a Carbon Neutral Future—Opportunities for Concrete, M. Chrzanowski	
6:00 PM - 7:00 PM	Reception in Exhibit Hall	Reception in Exhibit Hall	

FEATURED SPEAKERS

Learn From Expert Papers and Presentations

Ten technical and general sessions are scheduled for this two-day symposium featuring over 30 presentations from world renowned researchers and practitioners. The sessions will present the latest advances, technical knowledge, continuing research, tools and solutions for testing and modeling concrete performance. Featured speakers for general sessions include:



Tony Fiorato, consultant in concrete materials, construction, testing, and codes and standards. Prior to his retirement, he was President and CEO of CTLGroup in Skokie, IL. He is past President of the American Concrete Institute and past Chairman of the Board of ASTM International. He is a member of ACI Committee 318, the ACI Standards Board, and the ACI Board Advisory Committee on ISO TC-71, Concrete, Reinforced Concrete, and Prestressed Concrete. He currently chairs ASTM Committee C09 on Concrete and Concrete Aggregates, and the Executive Committee of the Cement and Concrete Reference Laboratory. He received his B.S. degree in civil engineering from Drexel University, and M.S. and Ph.D. degrees in civil engineering from the University of Illinois. He received NRMCA's Richard D. Gaynor Award in 2007. He is a licensed structural engineer in Illinois and professional engineer in Arizona, Michigan, and Ohio. Dr. Fiorato will present *Assuring Performance Through Intelligent Standards* during the opening general session and participate on a panel discussion *What Role will Concrete Performance Play in Sustainable Development?*



Doug Hooton, Professor of Civil Engineering at the University of Toronto. Prof. Hooton is a member of numerous ACI committees including ACI 201 on durability and ACI 318. He is also a member of numerous ASTM subcommittees on cement and concrete, and chairs C09.48 on Performance of Cement-Admixture Combinations. His research focuses on the properties and performance of cementitious materials, as well as on fluid transport (permeability) properties of concrete as it relates to durability, sustainability, service life, and performance testing of concrete. He co-authored recent reports on developing performance specifications for the RMC Research and Education Foundation. Dr. Hooton will present *Challenges to Prediction of Concrete Performance* during the opening general session and *Long-Term Chloride Penetration Resistance of Bridge Decks Made with Silica Fume Concretes* during a technical session.



Nick Carino, consultant after 25 year as research structural engineer at the National Institute of Standards and Technology (NIST). He is a Fellow of ACI and ASTM International. He served as Chair of ACI Committee 228 on Nondestructive Testing of Concrete, Committee 306 on Cold Weather Concrete, TAC Specifications Committee, and ACI 301 Subcommittee A. He served on the ACI Technical Activities Committee, and ACI Committee 318. He has received numerous awards from ACI for his research and contributions to standards development. Most notably, he received the Wason Medal for Materials Research four times for work done with colleagues at NIST. In 2006, he received the Frank E. Richart Award from ASTM Committee C09 for contributions in research and standards development. Dr. Carino received undergraduate and graduate degrees from Cornell University. He will present *Testing to Verify In-Place Performance* during the opening general session.



Mark Chrzanowski, Principal Structural Technologist in the Global Water Business Group for CH2M HILL's design center in Gainesville, Florida. Mr. Chrzanowski provides the benefit of nearly 28 years of experience that include the design and construction of water and waste water containment structures, aquatic entertainment-themed structures, and commercial, educational, health, industrial, power generating and retail facilities. Mr. Chrzanowski possesses extensive knowledge in concrete materials, structural condition assessment and rehabilitation, and repair of concrete construction. He investigates technological advances in the concrete industry that will bring additional value to clients and serves as a global resource in concrete technology to the various enterprises within CH2M HILL. Mr. Chrzanowski received his B.S.C.E. in Structural Engineering and Construction Management from the University of Cincinnati. He will present *Looking for a Carbon Neutral Future—Opportunities for Concrete* during a general session and participate on a panel to discuss *What Role will Concrete Performance Play in Sustainable Development?*