

# Registration for: 2015 CONCRETE CONFERENCE (March 6, 2015)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Company: \_\_\_\_\_ Email: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Credit Card Number: \_\_\_\_\_ CVS Code: \_\_\_\_\_ Exp. Date: \_\_\_\_\_  
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Make checks payable to SDSM&T-Acct 4CEE14

Registration Fee **CIRCLE ONE** (includes coffee breaks and lunch)  
 \$145.00 - Early Registration - Ends Feb. 27th (+Tax \$8.70 if applicable)  
 \$190.00 - Regular Registration (+ Tax \$11.40 if applicable)  
 \$30.00 - Retired or Student Registration

Mail to:  
 SDSMT Student Accounts/Cashier  
 501 East Saint Joseph St.  
 Rapid City, SD 57701-3995

Register Online at <https://interact.sdsmt.edu/conference/registration-concrete.htm>  
**\*NO REFUNDS AFTER FEBRUARY 27, 2015**



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- 7:30 - 7:55 Final registration
  - 7:55 - 8:00 Welcome  
*Dr. Wilson, President, SDSM&T*
  - 8:00 - 8:05 Introductions and Moderator  
*M. R. Hansen, SDSM&T*
  - 8:05- 8:55 Admixtures for High Performance Concrete  
*Dr. Charles Nmai, BASF*
  - 8:55 - 9:45 Concrete for the Panama Canal Expansion  
*Gary Mass, Cheyenne*
  - 9:45 - 10:15 Coffee Break
  - 10:15 -11:05 Self-Healing Concrete  
*Cody Schellinger*
  - 11:05 -11:55 Alternative Concrete Binders  
*Dr. Chris Shearer*
  - 12:00 - 1:20 Lunch, Surbeck Center Ballroom  
News from ACI-International  
*Mike Schneider, VP - ACI*
  - 1:30 - 2:20 A new admixture for Air Entrainment  
*Dr. Charles Nmai, BASF*
  - 2:20 - 2:50 Coffee Break
  - 2:50 - 3:40 High Performance Concrete in Action  
*Mike Schneider, Baker Conc.*
  - 3:40 - 4:30 Concrete in Mongolia  
*M.R. Hansen/Cody Schellinger*
  - 4:30 - 5:00 Questions and Answers/Open discussion
- .....

CEE Department, Concrete Conference  
 South Dakota School of Mines and Technology  
 501 East Saint Joseph St.  
 Rapid City, SD 57701-3995

Non-Profit  
 U.S. Postage Paid  
 Permit #541  
 Rapid City, SD  
 57701-3995

Return Service Requested



# CONCRETE CONFERENCE

## March 6, 2015

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## HIGH PERFORMANCE CONCRETE

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**SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY**  
**SURBECK CENTER BALLROOM**

**RAPID CITY, SD 57701, USA**

## Dr. Charles Nmai



Dr. Charles Nmai, Ph.D., PE, FACI was recently honored with the Civil Engineering Alumni Achievement award by the faculty of the Purdue University School of Civil Engineering. He received his Ph.D. in civil engineering from Purdue University in 1987. Since then he has been employed by BASF Construction Chemicals, where he currently serves as engineering manager responsible for providing technical leadership and strategic guidance in the marketing of admixtures and high-performance concrete technologies. In addition to his work at BASF, Nmai is very active in industry associations. He is a Fellow of the American Concrete Institute (ACI), an honorary member of ASTM Committee C09 and currently chairs subcommittee C09.23 on Chemical Admixtures. In 2009, he was honored at the Ninth ACI International Conference on Superplasticizers and Other Chemical Admixtures for outstanding and sustained contributions in this field.

## Cody Schellinger



Cody is a senior civil engineering student at South Dakota School of Mines and Technology with a structural emphasis. He is a member of ASCE, ACI, and AISC along with Engineers and Scientists Abroad, and Circle K. He is currently the ASCE Student Chapter Historian and the ESA Secretary as well as an active member of concrete canoe and steel bridge. Through Engineers and Scientists Abroad, Cody has travelled to Bogota, Colombia and Mongolia. In Bogota, he worked on a slope stability project as well as a rain-water harvesting system. His most recent trip to Mongolia was spent repairing a failing commuter bridge six miles east of Darkhan, Mongolia with six fellow engineering students. The project included raising the deck of the Argylin Garam Bridge and preventing the piles from continuing to sink. His current research is on self-healing concrete with Dr. M.R. Hansen.

# SPEAKERS

## Michael Schneider



Schneider has a bachelor's degree in personnel management from Miami University in Oxford, Ohio, as well as a degree in construction management from the University of Cincinnati in 1978. He has been with Baker Concrete Construction, Inc. in Monroe, Ohio for over 30 years and is currently the Sr. Vice President and Chief People Officer. Mike served as President of ASCC in 2005-2006 and has been an active member since 1999. He was named one of the 10 Most Influential People in the Concrete Industry by *Concrete Construction* magazine in 2005.



South Dakota Ready Mixed Concrete Association

## Gary Mass



Gary graduated from South Dakota School of Mines & Technology - Rapid City, South Dakota in 1964 with a BSCE. He is a registered Civil Engineer in California, Oregon, Washington, Colorado, and Wyoming. Gary began his career with the California Department of Water Resources, Design and Construction Branch, during construction of the State Water Project. During his career Gary worked on numerous water resource projects worldwide, including construction of a 380-ft high roller-compacted concrete dam on the border between Jordan and Syria and the Three Gorges Hydroelectric Project in China. Gary was concrete specialist/airfield pavements for the project management team during construction of the airfield at Denver International Airport (DIA). He continues to be active in the American Concrete Institute (ACI) as a member for over 50 years and past chairman of ACI Committee 211 on Mixture Proportioning and ACI Committee 207 on Mass Concrete.

## Chris Shearer



Dr. Chris Shearer is an Assistant Professor in the Department of Civil and Environmental Engineering at South Dakota School of Mines and Technology. His research investigates the chemical, physical, and mechanical properties and durability performance of infrastructure materials, with a focus on sustainable concrete materials technology. He has worked as a structural engineer at the Ohio Department of Transportation and at URS Corporation, and has consulted for industry on materials-related issues. He is the recipient of the Department of Energy Office of Science Graduate Fellowship, the Georgia Tech President's Fellowship, and the American Concrete Institute Presidents' Fellowship and Scholarship. He received his BS in civil engineering from Ohio Northern University, and his MS and PhD in civil engineering from the Georgia Institute of Technology.

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LAFARGE-NA

SDSM&T, CEE Department, & ASCE Student Chapter

**Registration Fee:** Advance payment is \$145 (Retirees and Students are \$30.) This fee includes refreshments during the coffee breaks and lunch.

**Continuing Education:** Each participant attending (Entire Day) will receive a certificate of 7 PDH'S or 0.7 CEU.

**Information:** For further information contact SDSM&T Civil Engineering Department at (605) 394-2439 Or M.R. Hansen at Email: [mr.hansen@sdsmt.edu](mailto:mr.hansen@sdsmt.edu)

### **Hotel Accommodations:**

The Rushmore Plaza Holiday Inn,  
\$77/night, 1-605-348-4000  
Group Code: ACI

**Tax Deduction or Expenses:** An income tax deduction is allowed for expenses of education (including registration fees, travel, and lodging) undertaken to maintain or improve professional skills (See Treas, Reg. 1.162-5, Coughlin vs. Commissioner 203F2D 307)