

Mid-South Chapter



American Concrete Institute

2018 Symposium

Thursday, April 19

**Holmes Community College McGowan Workforce Training Center
412 W. Ridgeland Avenue, Ridgeland, MS**

Agenda

- 9:00 – 9:15 am** **Registration and Coffee**
- 9:15 – 9:30 am** **Welcome and Introductions** – Andrew Lester, President of ACI Mid-South Chapter and Grady Gunn, President of Mississippi Concrete Association
- 9:30 – 10:30 am** **Ultra-High Performance Concrete** – This presentation will explain the basic differences between traditional Ready Mixed Concrete and Ultra-High Performance Concrete (UHPC). Participants will gain an understanding of thermal curing effects on UHPC and the potential value of UHPC in mass concrete. – Dr. Jay Shannon with EERDC. Additional presenters are Thomas Allard, Ashley Carey, Brittnei Cooper, Nicki Haines, Brad Hansen all with MSU School of Engineering
- 10:30 – 11:30 am** **Introduction to Shotcrete** – This presentation covers an introduction to shotcrete; the advantages and benefits of using the shotcrete process; dry and wet-mix processes; specifications, material considerations and typical performance guidelines; surface preparation; pre-construction, jobsite conditions and curing methods. There will be an opportunity for questions and answers. - Charles Hanskat, Executive Director/Technical Director, American Shotcrete Association
- 11:30 – 12:15 pm** **Lunch Provided**
- 12:15 – 1:15 pm** **What Does Coal Have To Do With Concrete** – The cement and concrete industries consume almost 20 million tons of fly ash, bottom ash, and synthetic gypsum annually. These materials are recovered following the combustion of coal in power plants generating electricity. This presentation will provide an overview of the utility industry and a look at the future supply of these materials. - Thomas Adams, Executive Director, American Coal Ash Association
- 1:15 – 1:45 pm** **ACI Certification Programs** – An overview of the ACI certification programs that are sponsored by the Mississippi Concrete Association will be provided during this presentation. – Robert Varner, Senior Concrete Materials Engineer, Burns Cooley Dennis
- 1:45 – 2:00 pm** **Break**
- 2:00 – 3:00 pm** **Why We Don't Follow ACI Specs** – This presentation covers the importance of why ACI Specifications should be followed every day and the problems that arise when they are not. Industry improvements will be highlighted and specifications written into contracts such as ACI 318, 304, 301 and others will be discussed – Bob Fuller, Fuller Consulting
- 3:00 – 4:00 pm** **Residential Concrete in Utopia** – The quality of in-place residential concrete in Mississippi is unfortunately poor, in general. The cracking and surface blemishes that often give rise to complaints and disputes result from questionable construction practices, not materials issues. This is not the case in some other parts of the country, though. This presentation will showcase how exemplary, near-perfect residential concrete is achieved in one such area - southern Nevada and Utah. It will highlight the contrasts in practices - procedures typically used in Mississippi and what's different about how it's done in "Utopia," where driveways and slabs are beautiful, crack-free, and durable. Specific recommendations on replicating this success in Mississippi will be made. - Tim Cost, VT Cost Consulting
- 4:00 pm** **Closing Remarks** – Andrew Lester, President of the ACI Mid-South Chapter - **Adjourn**

Cost: \$50 per person or \$20 student registration (includes lunch, refreshments and 1-year ACI Mid-South chapter membership) 5.5 hours of Professional Development/ 5.5 hours of AIA CES HSW Learning Units are offered – certificates will be provided
Location: Holmes Community College, McGowan Workforce Training Center -- Multi-media Room
Directions: At the I-55 Ridgeland exit (105B), go east toward Ridgeland, then left on Sunnybrook Rd. – go 0.4 mi just past Holmes Community College, then second driveway on right to McGowan Workforce Training Center (to the rear).

2018 Concrete Symposium Speakers

Jay Shannon, PhD
Research Civil Engineer at
Army Corps ERDC

Jay Shannon is a Research Civil Engineer for the U.S. Army Corps Engineer Research and Development Center (ERDC). He received his Bachelors, Masters, and Doctorate degrees from Mississippi State University in 2011, 2012, and 2015, respectively. Current research efforts include projects centering on advanced and emerging technologies of cement and concrete materials with both military and civil applications.

**Thomas Allard, Ashley
Carey, Brittni Cooper,
Nicki Haines and Brad
Hansen** with MSU

Thomas Allard, Ashley Carey, Brittni Cooper, Nicki Haines and Brad Hansen are additional contributors and speakers for the Ultra-High Performance Concrete presentation. They attend Mississippi State University's School of Engineering program.

Charles S. Hanskat
Executive Director/
Technical Director,
American Shotcrete
Association

Charles Hanskat is the current ASA Executive Director. He received his BS and MS in civil engineering from the University of Florida, Gainesville, FL and is a licensed professional engineer in several states. He has been involved in the design, construction, and evaluation of environmental concrete and shotcrete structures for over 35 years. Hanskat is also a member of ACI Committees 301, Specifications for Structural Concrete; 350, Environmental Engineering Concrete Structures; 371, Elevated Tanks with Concrete Pedestals; 372, Tanks Wrapped with Wire or Strand; 376, Concrete Structures for Refrigerated Liquefied Gas Containment; 506, Shotcreting; and Joint ACIASCE Committee 334, Concrete Shell Design and Construction. Hanskat's service to the American Society of Civil Engineers (ASCE), the National Society of Professional Engineers (NSPE), and the Florida Engineering Society (FES) in over 50 committee and officer positions at the national, state, and local levels was highlighted when he served as State President of FES and then as National Director of NSPE. He served as a District Director of Tau Beta Pi from 1977 to 2002. He is a Fellow of ACI, ASCE, and FES and a member of ACI, NSPE, ASTM International, and ASCC.

Thomas H. Adams
Executive Director,
American Coal Ash
Association

Thomas Adams was appointed Executive Director of the American Coal Ash Association (ACAA) in February 2009. Prior to joining the ACAA, he was employed by the American Concrete Institute managing chapter relations, international activities, and serving as Executive Director of the American Shotcrete Association. Adams has over 30 years of experience in a variety of management positions in the ready mixed concrete industry in sales, marketing, technical services, and operations. He is active in a variety of technical and trade organizations relevant to the industry including ASTM International, the American Concrete Institute, the Electric Power Research Institute, and the National Ready Mixed Concrete Association serving on a several technical committees in these organizations. He is a native of Detroit, MI, and attended Wayne State University and Aquinas College studying business administration and strategic management.

Robert Varner, P.E.
Senior Concrete
Materials Engineer for
Burns Cooley Dennis, Inc.

Robert has been involved in the construction industry for over 30 years with experience in training and certification, concrete materials testing, research, special inspections, forensic investigations, concrete pavement design, association management, and metal building design. Robert is responsible for concrete pavement design, concrete testing, and special inspections for Burns Cooley Dennis, Inc. He is a voting member of three ACI technical committees including; committee 330 for Concrete Parking Lots and Site Paving, 522 for Pervious Concrete, and 610 for Technician Certification. Robert is the past Chairman of committee 330 serving two consecutive terms. Robert has been the examiner for Mississippi Concrete Association's sponsored ACI certifications for the past 20 years.

Bob Fuller
Fuller Consulting

Bob Fuller has over 40 years of experience in engineering and concrete related industries. He has served in many quality control positions working with aggregates, cements, and mix designs. Mr. Fuller served as the Technical Services Manager for W. R. Grace then went to admixture sales. He has extensive knowledge on different cement types, air, grouts, pumping, flowable fill, hot and cold weather concrete, fly ash, pervious, roller compacted concrete, color, high strength. Concrete training 101, setting up quality control procedures, material investigation and proper trouble shooting are just a few of his specialties.

Tim Cost, P.E.
VT Cost Consulting

Tim Cost has over 41 years of professional experience relating to cementitious materials, concrete, and concrete applications that included 21 years with Holcim (now LafargeHolcim). He has served in prior positions with the Portland Cement Association, the Mississippi Concrete Industries Association, and the USAE Waterways Experiment Station (now ERDC). Mr. Cost is a Fellow of ACI, has been a member of several ACI Committees and served as a chair of ACI 330. He has also served as an officer of ASTM Committees C01 (Cement) and C09 (Concrete and Concrete Aggregates) and Chair of Subcommittee C0109.48 (Performance of Cementitious Materials and Admixture Combinations). He has served as a seminar instructor for ACI International, the CONEXPOConn-Agg trade show, NRMCA and the World of Concrete.

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Symposium Registration Form

(To receive your one-year complementary ACI Mid-South Membership, fill out information below as well)

Company: _____

Company Address: _____

City, State, Zip: _____

Contact Person: _____

Email _____ Phone: _____

Please register the following people: *(print name as it should appear on name badge)*

1) Name /Company: _____

2) Name /Company: _____



Registration Fee: \$50

Qty. _____ @ \$50 = \$ _____

Student Registration Fee: \$20

Qty. _____ @ \$20 = \$ _____

Registration fee includes buffet lunch, breaks and includes 1-year membership in ACI Mid-South Chapter Certificates for 5.5 hours of AIA HSW Learning Units/Professional Development will be provided at end of seminar.

AIA Course Code: MCA041918 A Course Title: 2018 ACI Mid-South Concrete Symposium

ACI Mid-South Membership Form

(1 year membership included with Symposium Registration)

ACI Mid-South membership is open to anyone interested in concrete design, specification and construction. Members will receive a chapter newsletter and be eligible to submit news for inclusion in the chapter newsletter. Beginning August 1st – members will be eligible to receive the following benefits from ACI National when they become ACI Mid-South Members: digital (online) subscription to Concrete International magazine; 3 ACI University course tokens for use on selected on demand educational training, a listing in the ACI Member Directory and a printable ACI Chapter Membership certificate.

Name: _____ Date of Birth: _____

Company Name: _____

Address: _____

City, State, Zip: _____

Email _____ Phone: _____

Are you a member of ACI National? Yes or No

Can't attend ACI Mid-South Symposium, but would still like to be a member of the Chapter:

1 year Membership Fee : \$25

Student Membership Fee: \$ 5

Return form and payment to: **ACI Mid-South Chapter, 6700 Old Canton Rd, Suite K; Ridgeland, MS 39157**

Phone: 601-957-5274

Email: dcollins@mississippiconcrete.com or jmilstead@mississippiconcrete.com