



ACI Carolinas Chapter “Glass Fiber Reinforced Polymer Bars”

May 6, 2025
Hilton Garden Inn
7831 Gateway Lane
Concord, NC 28027
8:00am – 3:15pm

Agenda

- 8:00 – 8:15 AM **Registration and Coffee**
- 8:15 – 8:30 AM **Welcome & ACI Chapter Support**
Neal Barber, ACI Carolinas Chapter President
- 8:30 – 9:30 AM **Concrete Sustainability & Resilience**
Speaker: Ala Eddin Douba, ACI Engineer
- 9:30 – 10:15 AM **Cement Status – What’s on The Horizon**
Speaker: Edward Deaver, Holcim (US) Inc.
- 10:15 – 10:30 AM **BREAK**
- 10:30 – 11:00 AM **ASTM C-595 (1P & 1S)**
Speaker: Edward Deaver, Holcim (US) Inc.
- 11:00 – 12:00 PM **New ACI Code 440.11-22: Building Code Requirement
For Structural Concrete Reinforced with GFRP Bars**
Speaker: Will Gold, American Concrete Institute
- 12:00 – 1:00 PM **LUNCH (Provided)**
- 1:00 – 2:00 PM **GFRP Reinforced Concrete – Practical Examples**
Speaker: Will Gold, American Concrete Institute
- 2:00 – 3:00 PM **Placing & Finishing Low Carbon Concrete**
Speaker: Chad Hensley, Wayne Brothers Companies
- 3:00 – 3:15 PM **Audience Discussion and Closing Remarks**

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Speaker Bio's

Ala Eddin Douba, (ACI Engineer)

Ala Eddin Douba is an ACI Engineer and part of Professional Development and ACI University where he supports both technical and educational committees. He received his PhD from Columbia University, Master's from University of New Mexico and Bachelors from the American University of Sharjah. Ala holds expertise in cement modification using admixtures (nanomaterials and polymers), concrete rheology, reactive magnesia cement and 3D printing concrete.

Chad Hensley, PE (Wayne Brothers, Inc.)

Chad Hensley is Executive Vice President of Business Management with Wayne Brothers Companies in Davidson, NC. He earned a Bachelor of Science degree in Civil Engineering-Construction Option from North Carolina State University in 1994. After Graduating, Chad worked as a Project Engineer, Estimator and Project Manager in the landfill construction industry at locations throughout the Southeast. Chad also spent time as a Project Manager with a highway contractor in the Raleigh area. In 1999, Chad joined Wayne Brothers as an Assistant Project Manager, and served the roles of Project Manager, Project Executive, and Vice President of Operations prior to his current role. In 2009 Chad acquired his Professional Engineering License in North Carolina. After 14 years as a Wayne Brothers employee, Chad became a partner with the firm in 2013. He is the Past President of the ACI Carolinas Chapter, the Secretary of ACI 305 Hot Weather Concreting, the current Chairman of the Construction Liaison Committee (CLC) and voting member of ACI 132 Responsibilities in Concrete Construction Committee, and an Associate Member of ACI 134 Constructability Committee.

William J. Gold, PE, FACI (American Concrete Institute)

William Gold is a Senior Engineer at the American Concrete Institute. He has over 25 years of experience in the concrete and construction chemicals industry. His interests and expertise include structural engineering, FRP materials, concrete repair, and rehabilitation, and building envelopes. He holds a Bachelor's degree from the University of Kansas in Architectural Engineering and completed post-graduate work at Penn State University and the Missouri University of Science and Technology. Mr. Gold is former Chairman of ACI Committee 440 on FRP Reinforcement of Concrete Structures and is active in ASTM and the Canadian Standards Association. He is a registered Professional Engineer in the State of Ohio.

Edward Deaver (Holcim US Inc.)

Edward Deaver is a Technical Service Engineer for Holcim (US) Inc. He started his concrete career in 1979 at the Sharon Harris Nuclear Power Plant and has been a Technical Services Engineer for Holcim for the past 25 years. He is a Horary member of ASTM C01 and C09 and currently the Subcommittee Chair of C09.49 for Pervious Concrete. He is also the current president for the ACI-Carolinas Chapter, as well as the instructor for SCDOT Concrete Batching and Field Inspector certification classes at USC. He has also worked for SCDOT as the Assistant to the Structural Materials Engineer, Daniel Construction, Fluor Daniel, and Brown & Root. He has co-authored numerous articles in several industry magazines on alkali activated cementitious materials and the use of Nano Carbons, as an additive in concretes.