



# SEAOAL & ICRI Gulf South Chapter Seminar & EXPO

## Concrete Restoration & Repair

### THURSDAY, NOVEMBER 29, 2018

**TOTAL OF 6 PDHS (ACCEPTED IN AL & FL)**



8:00 a.m. — 8:30 a.m.	Registration, EXPO, & Breakfast sponsored by <i>Brawco</i>
8:30 a.m. — 9:45 a.m.	Case Studies in Concrete Restoration, Javier Balma, Walter P Moore Diagnostics Group
9:45 a.m. — 10:00 a.m.	Break & EXPO
10:00 a.m. — 11:00 a.m.	Construction Law in Restoration Projects, Larry Logsdon, Wallace, Jordan Ratliff & Brandt
11:00 a.m. — 11:15 a.m.	Break & EXPO
11:15 a.m. — 12:15 p.m.	Modern Advances in Specialized Concrete Mixtures, Bill Brasher
12:15 p.m. — 1:15 p.m.	Lunch, ICRI Scholarship Awards—Lunch sponsored by <i>PARROT STRUCTURAL SERVICES</i>
1:15 p.m. — 2:45 p.m.	Understanding the Effects of Corrosion on Reinforced Concrete Structures & How to Mitigate the Deterioration , Ralph Jones, P.E. CEO of SEA of Kansas City, 2018 President of ICRI
2:45p.m. — 3:15p.m.	Break & EXPO
3:15 p.m. — 4:00 p.m.	Present & Future State of Field Testing in the Concrete Industry, Gene Hightower, ACIA
4:00.m. — 5:00p.m.	Concrete, It's not just about Strength, Gary Knight, Lehigh South

#### **Case Studies in Concrete Restoration, Javier Balma**

The presentation will discuss two case studies in restoration of concrete structures: the influent pump station at The Valley Creek Wastewater Treatment Plant in Birmingham, AL and two hyperbolic cooling towers at the St. Johns River Power Park in Jacksonville, FL. We will discuss the assessment, design, and construction phases of both projects.

#### **Construction Law In restoration Projects, Larry Logsdon**

Presentation will discuss construction law for restoration projects from inception to completion for the following topics: Impact and importance of terms in the construction and design contract; Handling, documenting, reviewing and documenting hidden and changed conditions; Proper and timely responses to requests for information; Impact of and issues related to addressing delays on the construction project; Implications related to review of submittals and shop drawings; and Implied warranties.

#### **Modern Advances in Specialized Concrete Mixtures, Bill Brasher**

Modern concrete comes in many specialized forms to suit the needs of the end user. Self-consolidating and low shrinkage mixes are available to make even the most demanding applications successful. This presentation will highlight to capability of properly designed, low shrinkage mixtures and their applications for modern structures.

#### **Understanding the Effects of Corrosion on Reinforced Concrete Structures & How to Mitigate the Deterioration, Ralph Jones, P.E.**

This presentation will review the corrosion process in reinforced concrete structures and the effects on structural elements. The presentation will include conditions which initiate and promote corrosion, the electrochemical process which occurs and how to mitigate the corrosion process to extend the life of repairs and ultimately the service life of structures. The effects of reverse polarity in repairs will be considered with recommended steps to reduce or eliminate this effect. Investigation and repair methods will be reviewed utilizing ICRI Guidelines.

#### **Present & Future State of Field Testing in the Concrete Industry, Gene Hightower**

The presentation is a brief synopsis of what is taking place in the field with the test specimens prepared for acceptance testing. It will contain excerpts from ACI 318 and ACI 301 as well as a review of the ASTM C31/C31M-15 procedure for making and curing cylinders in the field.

#### **Concrete, It's not just about Strength, Gary Knight**

What is most important in concrete mixture design, Strength – Durability – Function? This discussion will cover the properties of cementitious materials, designing concrete for durability, compliance with code requirements, and ASTM testing procedures.

# REGISTRATION FORM

Please print legibly. Companies with multiple attendees, please fill out a form for each person.  
No refunds will be given after November 22nd, 2018

Name	Company	
Address	City	Zip
Email	Phone	Cell

**Registration received by Nov. 19, 2018**

- SEA or ICRI Member \$ 165 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Non Member \$ 195 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Exhibitor \$ 130 X \_\_\_\_\_ = \$ \_\_\_\_\_



**Late Registration: Nov. 20, 2018**

- SEA or ICRI Member \$185 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Non Member \$ 225 X \_\_\_\_\_ = \$ \_\_\_\_\_
- Exhibitor \$ 155 X \_\_\_\_\_ = \$ \_\_\_\_\_

Registration includes breakfast, lunch, snacks, coffee bar and expo hall.

**To join SEAoAL**

SEAoAL membership is open to all structural engineers and companies affiliated with the structural engineering profession. For more info, visit [www.seaoal.com](http://www.seaoal.com)

- Professional \$ 95 X \_\_\_\_\_ = \$ \_\_\_\_\_
  - Associate \$ 40 X \_\_\_\_\_ = \$ \_\_\_\_\_
  - Student \$ 15 X \_\_\_\_\_ = \$ \_\_\_\_\_
  - Affiliate \$150 X \_\_\_\_\_ = \$ \_\_\_\_\_
- TOTAL: \$ \_\_\_\_\_

**If paying by check, make checks payable to:**

**SEAoAL**

Mail check and registration form to:

**Structural Engineers Association  
of Alabama  
P.O. Box 660584  
Birmingham, AL 35266-0584**

**Email registrations to:  
rhea@karmamanagementinc.com**

**Rhea Williams  
Executive Director, SEAoAL**

**SEMINAR LOCATION**

AGC Alabama  
5000 Grantswood Road  
Suite 100  
Irondale, AL 35210  
205-451-1400  
[www.alagc.org](http://www.alagc.org)

**To join ICRI (International Concrete Repair Institute):**

Membership is open to engineers, contractors, suppliers and manufacturers within the concrete repair industry. To join ICRI and the local chapter, ICRI Gulf South: Individual Membership = \$220  
 Other memberships are available.  
 Please visit [www.icri.org](http://www.icri.org) for more information.



# SEAoAL & ICRI Gulf South Chapter Seminar & EXPO Concrete Restoration & Repair Seminar Instructors



**Javier Balma**, Javier Balma is a Senior Project Manager in Walter P Moore Diagnostics Group, which focuses on solving issues with existing structures. He has more than 13 years of experience in the concrete restoration industry and is a registered engineer in 5 states.

**Larry Logsdon**, with Wallace, Jordan, Ratliff & Brandt, practices in the area of general commercial litigation and has represented general contractors, subcontractors, owners, and suppliers involved in all aspects of the construction industry. Born in Lake Charles, Louisiana, Mr. Logsdon attended the University of Alabama and graduated summa cum laude with a Bachelor of Science degree in marketing in 1987. He graduated from the University of Alabama School of Law in 1992. Larry is admitted to practice before the United States Court of Appeals for the Eleventh Circuit, all Alabama federal district courts, and all Alabama state courts. He is also an associate member of the American Subcontractor's Association and the Association of General Contractors. Larry was honored with induction into the Order of the Coif and served as a senior editor of the Alabama Law Review.

**Bill Brasher** has over 29 years of experience in the concrete industry and is currently the Value Engineering & Product Development Manager with Ready Mix USA/Cemex in the Birmingham, AL area. This experience entails laboratory research, field quality control/quality assurance, and marketing of specialized concrete materials. In his current position Bill works with clients to provide concrete products and services that meet owner's unique needs by using state of the art concrete chemical and mix technologies. Bill attended the University of Maryland with a concentration in Concrete Materials Department. Upon completion of his studies, Bill worked with the NRCMA National Research Laboratory.

**Ralph Jones** is Principal and CEO of Structural Engineering Associates in Kansas City MO. Ralph received his BSCE from the University of Missouri-Rolla (currently Missouri University of Science and Technology) and his MSCE from the University of Missouri-Columbia. Ralph has over thirty-eight years of experience in the structural engineering field. Most of his experience is in the fields of material testing, concrete corrosion and deterioration analysis and repair and masonry deterioration analysis and repair. Ralph has been the principal in charge of field services, testing and building assessments for over 20 years at SEA. He is the current President of the International Concrete Repair Institute and was a founding member and president of the Great Plains chapter of ICRI.

**Gene Hightower** attended The Citadel in Charleston, SC where he graduated with a BS in Biology. After returning to Alabama he began his career as a salesman in the refractory industry, then switched to sales in the water treatment industry. In 1975 he went to work with Master Builders on the chemical side of the concrete industry. Through these contacts he took his first job with a concrete producer in 1980 at Sherman Industries starting their QC program and maintained the title of Technical Services Manager until he became the General Manager in the late 1980s. In 1992 he left the concrete business to work in the construction industry with Dunn Construction and Peak Development. In 2000 he had the opportunity to get back in the concrete industry with Ready Mix USA as Manager of Technical Services where he excelled until he retired in December 2017. Not wanting to leave the industry he loves dearly he is now working for the Alabama Concrete Industries Association as the instructor for ACI certification courses and Manager of Technical Services. He has 40 plus years in the concrete and construction industry.

**Gary Knight** is currently the Technical Services Quality Manager at Lehigh South. He received his BS in Civil Engineering from Southeastern Massachusetts University. He served as a Design Engineer with Stone and Webster in Boston, as a Concrete Instructor at Alpena Community College for Concrete Technology, Construction Estimator for RS Means, and in Technical Services for Holcim (US) Inc. and WR Grace. He is the past chair (7 years) for ACI 211, ACI 237 and ACI 302, and is the current chair of ASTM C01.29 Sulfate Resistance Committee and voting member of ASTM C01 & C09 (Cement, Concrete, & Aggregates). Gary is a member of the Portland Cement Association (PCA), and serves on the PCA Product Standards and Technology Steering Subcommittee. Also, for the past 7 years has been an instructor at the American Concrete Pipe Association (ACPA) teaching classes in cement, aggregates, dry and wet cast mix design.