8:00 - 8:30 am Registration

8:30 - 9:30 am Ethics Presentation—John F. Greenhalge, Executive Director of the Ohio State Board of Registration for Professional Engineers and Surveyors.

This program will cover Ohio’s laws and rules for professional engineers and professional surveyors with a focus on common violations of the Code of Ethics and the registration act.

John F. Greenhalge is the Executive Director of the Ohio State Board of Registration for Professional Engineers and Surveyors. John has been with the Board since 1998, previously serving as the Board’s Enforcement Supervisor and Assistant Executive Director. Prior to joining the Board John worked as an investigator for the Franklin County Prosecuting Attorney’s office in Columbus, Ohio and as a loss prevention and human resources investigator for Sears Roebuck & Co.

John has a Bachelor of Science degree in Business Administration and a Masters of Business Administration degree from Ashland University. John has served on numerous national committees for the National Council of Examiners for Engineering and Surveying (NCEES) including the Committee on Law Enforcement, the NCEES Leadership Task Force and the Member Board Administrators Committee.

9:30 - 10:30 am Telling our Concrete Performance Story in a Carbon Climate Environment—Shawn Kalyn B.Eng, LEED AP bd+c, Technical Services Engineer, Votorantim/St Marys Cement

Concrete has a good story to tell when it comes to our environment. This topic will explain the needs for accurate transparency tools being requested by green building rating systems, how we fit into societies current needs and trending future need.

Discussion will be on:
- What to look for in LEED V4
- What is LEED V4.1
- Why do we need or want Environmental Product Declarations
- Carbon Dioxide when it material choice and building use and end of life phases.
- The real truth concrete’s embodied carbon and how we have many tools to keep improving.
- Resiliency the newest green building movement

Shawn is a Technical Services Engineer for St Marys Cement for WNY, NW PA and Ohio. Has a Bachelor of Civil Engineering from Ryerson University in Toronto Ontario Canada. Shawn also has a Civil Engineering Technologist diploma from Mohawk College in Hamilton Ontario Canada. He is involved with PCA Sustainability committee, SCA Great Lakes and Marketing Technical Committees, Ohio Concrete Technical Committee, PENN-DOT/PACA Cementitious improvement community, CAC Environmental and energy committee and is involved with the MIT sustainability hub and newly added to the Global Cement and Concrete Association Sustainability Value of Concrete working
The use of Fiber Reinforced Concrete continues to evolve and become more commonplace in everyday concrete construction. Learn how the new ACI 544.4R document can help ready-mix producers, engineers and contractors by providing a roadmap to designing FRC for many applications including floors, precast, shotcrete and paving applications. An update will also be provided on other CODE approvals such as UL fire classification for composite deck designs, various DOT initiatives for paving with FRC and the improvements in ASTM and other test methods to verify correct fiber selection and quantities in concrete.

Mike Mahoney is a Professional Engineer and the Director of Marketing and Technology, Fiber Reinforced Concrete, for The Euclid Chemical Company in Cleveland, Ohio. Mr. Mahoney is a Fellow and member of the American Concrete Institute and serves on committees for the National Pre-Cast Concrete Association and American Society for Testing and Materials. He previously served as chairman for ACI subcommittee 544A on the Production and Applications of Fiber Reinforced Concrete and is also a board member and past president of the Fiber Reinforced Concrete Association.

11:00 - 12:00 pm **ACI Concrete Construction Specifications: Writing, Reading, Executing**—Aimee Pergalsky, Manager of National Business Development for The Euclid Chemical Company

ACI publishes different types of documents: Codes, Guides, Reports, and Construction Specifications. We will take a shallow dive into the world of ACI Construction Specifications with an emphasis on ACI 301- Specifications for Structural Concrete. As well as, requirements for and how ACI Construction Specifications mandatory language documents are written: what’s in them and trigger/referral language for options and defaults will be reviewed. Lastly, how ACI 301 is incorporated into Project Documents and a peek into ACI 301-20 will be covered.

Amy currently serves as Manager of National Business Development for The Euclid Chemical Co. She is responsible for providing instruction, insight and technical support to the design community, contractors, distributors/customers through specification review, professional development and education.

**Learning Points:**
1. Why is moisture now an issue with floor coverings?
2. Understand how w/c ratio impacts slab moisture.
3. Understand the impact of a vapor retarder.
4. What is adequate drying time?
5. Understand how slabs dry
6. Understand proper moisture testing

2:00 - 2:15 pm **Case History I-71 Rest Stops Warren County**

2:15 — 2:30 pm Break

2:30 - 3:30 pm **Moisture in Concrete**—Chris Tull, Concrete Industry Consultant

Chris Tull received his BS in Civil Engineering from Cornell University in 1987 and has been in the concrete construction industry since. Chris is an experienced consultant in the USA and some foreign countries. Chris is a popular speaker around the country on concrete topics. He has spoken at the World of Concrete and is on the ACI 302 Committee: Construction of Concrete Floors, the ACI 360 Committee: Design of Slabs on the Ground, several other ACI committees.

**Learning Points:**
1. Why is moisture now an issue with floor coverings?
2. Understand how w/c ratio impacts slab moisture.
3. Understand the impact of a vapor retarder.
4. What is adequate drying time?
5. Understand how slabs dry
6. Understand proper moisture testing

3:30 - 4:00 pm **Presentation of the Project of the Year Award and Closing Remarks**
REGISTRATION

2019 OHIO CONCRETE SOUTHWEST FALL CONCRETE EDUCATIONAL SEMINAR REGISTRATION

The cost to attend is $75 per person and includes lunch and 5.5 CPD credits

PAYMENT METHOD:
- CREDIT CARD (Amex/Disc/Visa, Master)
- CHECK

Make checks payable to Ohio Concrete and mail to Ohio Concrete, 2600 Corporate Exchange Dr., Ste. 165, Columbus, OH 43231

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INDICATE IF YOU WOULD LIKE TO RECEIVE CPD CREDITS FOR ATTENDING THE SEMINAR. (Important Note: this seminar is for 5.5 CPD credits only, NOT AIA credit)

☐ YES. Please send 5 PDH/CPD credits to the email/address listed above

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CANCELLATION POLICY: All cancellations must be received 7 business days prior to the start of the seminar to receive a refund. All refunds are subject to a cancellation fee. No shows will be charged the full registration fee.

For further information contact John Davidson, Ohio Concrete Southwest Promotion Director (513) 607-9921, john@ohioconcrete.org or Ohio Concrete at (614) 891-0210, info@ohioconcrete.org