



EUCLID CHEMICAL



CLEVELAND REGION

STRUCTURAL ENGINEERS ASSOCIATION OF OHIO

STATE OF THE ART FOR FIBER REINFORCED CONCRETE (FRC)

Thursday, December 4, 2014

Hosted by Euclid Chemical | Technical & Training Center • 19320 Redwood Road • Cleveland, Ohio

PROGRAM

State of the Art for Fiber Reinforced Concrete (FRC)

This two-part program includes a session on Fiber Reinforced Concrete (FRC) and a Concrete Research & Development Laboratories tour.

DISCUSSION TOPICS

- General guidelines
- FRC characteristics
- Fiber types
- Design
- Placement
- Applications
- Available design Guides
- Historical Aspects
- Properties
- Geometry
- Mixing
- Finishing FRC
- Theoretical Aspects
- Engineering Applications Review

LAB TOUR

After dinner, take a tour of The Euclid Chemical Company's 25,000-square-foot, state-of-the-art concrete R&D laboratories.

SCHEDULE

- 5:30 Registration
- 5:45 Program
- 6:45 Dinner
- 7:15 Break
- 7:30 Lab Tour

DIRECTIONS

Map on next page or click [HERE >>](#)

PARKING

Parking is available in a lot across the street from the Tech & Training Building

REGISTER

By visiting www.seaoo.org >>



PRESENTERS

AMIR BONAKDAR, PH.D., P.E.

Amir Bonakdar is the Fiber Product Manager for Euclid Chemical. He received his B.S. in civil engineering in 2004, his M.S. in structural engineering in 2006 from the University of Tehran and his Ph.D. in civil engineering in 2010 from Arizona State University (ASU). In June 2013, Mr. Bonakdar joined Euclid Chemical in Cleveland, OH as a fiber product manager. Mr. Bonakdar's roles at Euclid Chemical include engineering and technical support for the use of fibers in concrete applications. Amir is a registered professional engineer (PE) in the State of Arizona and is a member of American Society of Civil Engineers (ASCE), American Concrete Institute (ACI) and American Society for Testing and Materials (ASTM). He is an active member of ACI 544 (fiber-reinforced concrete), ACI 360 (slab on grade) and ACI 201 (durability of concrete). Amir has several publications in the area of mechanical and durability testing and modeling of cement-based materials.

MICHAEL A. MAHONEY, P. ENG.

Michael Mahoney is a Professional Engineer and the Director of Admixture and Fiber Marketing for Euclid Chemical in Cleveland, Ohio. Mr. Mahoney is also the current president of the Fiber Reinforced Concrete Association. In 1997, he obtained his master's degree in civil engineering from the Technical University of Nova Scotia, Halifax, Canada where he helped to develop and patent an innovative synthetic fiber for concrete reinforcement. Mr. Mahoney has also been involved with pervious concrete projects, structural health monitoring of bridges using non-destructive testing methods and has performed material characterization and testing of concrete and shotcrete mixtures. He is a member of the American Concrete Institute, National Pre-Cast Concrete Association and American Society for Testing and Materials. He is the current chairman for ACI sub-committee 544A on the Production and Applications of Fiber Reinforced Concrete and has co-authored several papers on the subjects of FRC, shotcrete, carbon footprint of fiber materials and innovative bridge systems.

AIMEE PERGALSKY, FACI

Aimee Pergalsky currently serves as National Business Development Manager for Euclid Chemical. She is responsible for providing instruction, insight and technical support to the design community, contractors, distributors/customers through specification review, professional development and education. Mrs. Pergalsky's career in the concrete construction industry encompasses over 25 years of concrete promotion, testing, marketing and specifications. Having developed her expertise in concrete petrography primarily performing "post mortems" on concrete and concrete materials, her experience in the industry affords her a unique perspective on the design, specification and construction processes. Her service to various professional technical organizations includes Fellow and past Board of Directors American Concrete Institute (ACI), member of numerous ACI technical, board, and peer review committees, Past President of ACI Northeast Ohio chapter, Concrete Specification Institute (CSI), Cleveland Engineering Society (CES) and United States Green Building Coalition (USGBC).

MAP

