

# 2016-2017 CMAA-SAC LUNCH & LEARN SERIES

## Educational Advancement During Your Lunch Hour!

Please join CMAA-SAC for our Lunch & Learn Series. The presentations will be comparable to AIA and will help you fulfill CEUs for other organization. Attendance Certificates will be made available to all attendees.

## DESIGNING WITH CABLES AND RODS AS STRUCTURAL ELEMENTS

presented by:

**Matthew Berrelli, PE**

East Coast Regional Sales Engineering Manager

Matthew Berrelli provides technical training and support to Architects, Engineers and Contractors in regards to Tensile Architectural Products available and their application. In addition he provides quotes for and sells Tensile Architectural Products throughout the eastern half of the USA.

Matthew is a licensed Professional Engineer and holds a Bachelor of Science in Mechanical Engineering (BSME) from the University of Connecticut.

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### Presentation Overview

When used effectively, tension elements such as cables and rods allow designers to develop lightweight and elegant, yet stable structures. This course will introduce the basic principles and components needed to incorporate cables and rods into your next project. At the completion of this course you will be able to identify when and how rods and cables can be used in structures, the factors to be considered in the design, and the process for developing and specifying a project containing tension elements. You will also understand the advantages of partnering with a specialty contractor to design and install a tensile structure.

Learning Objectives:

- understand 'what is a tension element', when it is possible to use tension elements, and the benefits
- understand the elements used in a tension cable and rod system and their functions
- understand why rods are used in some situations and cables are used in others
- understanding the factors which influence the design of a system using tension elements and the steps involved in developing a project using Cable or rod

**Wednesday**  
**May 24**  
**12:00 - 1:00 PM**

### **Where:**

999 Building Conference Center  
5th Floor  
999 Peachtree Street, NE  
Atlanta, GA 30309

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