

2017 – 2018 Officers

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Interested in presenting a topic at a future meeting? Please contact Brian Hill BHill@wje.com



Join us for the February 2018 SEI Georgia Chapter meeting

Speaker: Kevin Davenport, P.E., *Simpsons Strong-Tie's Southeast Operations*
Topic: *Strengthening Structures using Externally Bonded Composite Systems (FRP and FRCM)*

Date : Thursday, February 8th from 6:30 PM until 8:00 PM
Cost: Professionals: \$10, register online at SEI Eventbrite website Students, Retirees: Free, but please register at Eventbrite

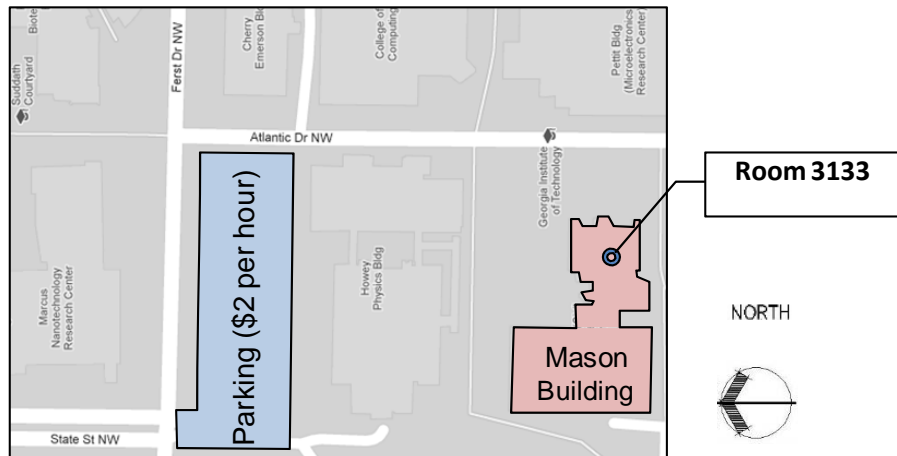
Where: Georgia Tech Civil Engineering Mason Building, Room 3133

About the Topic and Speaker:

Kevin Davenport, P.E. is the Field Engineering Manager for the Simpson Strong-Tie's Southeast operations. Kevin received his Bachelor of Science and Master of Science Degrees in Civil Engineering (with emphasis in Structural Engineering) from Clemson University. Prior to joining Simpson Strong-Tie he practiced for 5 years as a structural engineer for Walter P Moore & Associates in Atlanta, GA. In addition to managing the Southeast US Field Engineering team, Kevin is also responsible for providing technical support and training to engineers on Simpson's products related to concrete and masonry construction projects. He is a member of International Concrete Repair Institute, and various local chapters of the National Council of Structural Engineers Associations.

On occasion engineers find the need to increase the capacity of an existing structure. Whether that structure be comprised of concrete and/or masonry members, there are various techniques available to increase the individual member capacity and overall capacity of the structure. While it has been available as an option for strengthening structures for over 30 years, externally bonded Fiber-Reinforced Polymer (FRP) is still considered a relatively new strengthening option when compared to traditional strengthening techniques. In addition, even more recent comes the introduction of Fabric-Reinforced Cementitious Matrix (FRCM) systems as strengthening options. This presentation will provide a high level overview of FRP and FRCM and several other things to consider when strengthening using these systems such as: common applications where they are used, design & detailing considerations, some limitations of these systems, and a case study.

Parking and Location Map:



1 Professional Development Hour (PDH) will be credited for P.E. Continuing Education
 Pizza and drinks will be provided