RE-CAST Seminar

Dr. Antonio Nanni

University of Miami

Title: Extending the life of concrete structures: FRCM Technology

Presenter: Antonio Nanni, Ph.D., P.E.
Lester and Gwen Fisher Endowed Scholar
Professor and Chair
Department of Civil, Architectural & Environmental Engineering
University of Miami

Date: Tuesday, June 17th, 2014 at 1:30pm CST

Location: Room 209 Computer Science, Missouri S&T

Description:

This seminar presents the unique material properties of fabric-reinforced cementitious matrix (FRCM) and the provisions for its characterization, design, construction, and inspection. The presentation ends with a brief discussion of case studies on the use of FRCM system repair and strengthening. FRCM systems for repairing and strengthening concrete structures are an alternative to traditional techniques like FRP, steel plate bonding, section enlargement, and external post-tensioning. FRCM is a composite material consisting of one or more layers of cement-based matrix reinforced with dry fibers in the form of open mesh or fabric. When adhered to concrete structural members, an FRCM system acts as supplemental, externally bonded reinforcement.

RE-CAST: **R**esearch on **C**oncrete **A**pplications for **S**ustainable **T**ransportation
Tier-1 University Transportation Center
recast.mst.edu

Center Consortium Members:
Missouri University of Science and Technology, University of Illinois at Urbana-Champaign, Rutgers, The State University of New Jersey, University of Miami and Southern University