

Summer Research Experience for Undergraduates in Civil Infrastructure Engineering May 30 – August 7, 2007

List Of Available Research Topics

- (1) Testing Bonding Strength Of Asphalt To Concrete Pavement
- (2) Testing Coating And Grouting Materials For Wastewater Applications
- (3) Calibration Of A New Downhole Penetrometer
- (4) Failures In Water Pipelines
- (5) Constitutive Models Of Prestressed Steel Fiber Concrete
- (6) Seismic Performance Of Reinforced Concrete Columns Under Seismic Excitation
- (7) Seismic Interaction Of Flexural Ductility And Shear Capacity
- (8) Intelligent Sensor Development For Infrastructures
- (9) Smart Aggregates For Concrete Structures
- (10) Application Of Nano Technology In Civil Structures
- (11) Vibration Suppression Of Bridges Via Base Isolation Technology
- (12) Smart Bolts For Health Monitoring Of Steel Bridges
- (13) Pathogen Contamination In Urban Waterways
- (14) Pcb In Air, Water, Biota, And Sediment In The Houston Ship Channel
- (15) Best Management Practices For Nonpoint Source Control
- (16) Wave Loads On Coastal Structures
- (17) Experimental Study On Head Loss For Flows Past Porous Structures
- (18) Flows In A Channel With Gravel Bottom