

# National Technical Seminar

- Topics:** Retrofit of Structures with Fiber Reinforced Polymer (FRP)  
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- Date:** December 10, 2008
- Time:** 1:00 PM EDT
- Duration:** 1 hour
- Conference Call Information:** Phone #: 1-866-994-6437  
Conference Code: 56525545
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## Retrofit of Structures with Fiber Reinforced Polymer (FRP)

A large number of existing structures worldwide require strengthening to carry larger loads or are in need of repair due to corrosion. Fiber Reinforced Polymer (FRP) products are durable, very light and strong and provide an excellent solution for such applications. These materials are applied like wallpaper and reach strengths more than twice that of steel in 24 hours! In most cases, FRPs offer more economical alternatives than conventional materials for upgrading existing structures.

The presentation will summarize some of the pioneering research and development conducted at the University of Arizona since the late 1980s. In addition, field applications over the last decade will be presented where the technology has been successfully used to strengthen buildings, bridges, pipelines, tanks, etc. A number of these projects have been recognized by major national awards of excellence, including the Seismic Retrofit of the 14-story McKinley Tower in Anchorage, AK and the Rehabilitation of Large Diameter Pipes in San Juan Power Generating Station in New Mexico.

Please note that this presentation is not geared solely towards bridge engineers; a wide range of applications including the following will be covered:

- 1) Bridge Rehabilitation
- 2) Strengthening of Buildings
- 3) Corrosion Repair for Industrial/Hydraulic Structures
- 4) Pipeline Rehabilitation
- 5) Blast Protection of Buildings

