

Workshop

Repair of FRP Structures

18th November 2010, NetComposites Office, Chesterfield, UK

Aim of the Workshop

Fibre reinforced polymer (FRP) materials are designed to get the best performance for a particular situation, and their ability to be maintained, replaced or repaired to a verifiable standard is of prime importance. When damage occurs due to material breakdown from wear, fatigue, external impact or misuse, then the decision to repair or replace is taken. Many replacement parts are very expensive, and so repair must be an option to make a product viable in a service situation.

The more primary a structure is, and the closer it operates to its design limits, the more difficult the repair. However, even heavily-loaded primary structural FRPs have been successfully repaired for many years. Heavily loaded, oriented fibre, advanced FRP structures require careful engineering design of major repairs; it is not simply a matter of applying a patch.

This workshop will look at current best practice, new developments in repair methodology and examine the importance of preparation, repair assessment and the skill requirements of the operative involved. Any gaps in technology or knowledge will be identified and ways to address these discussed.



Call for papers

Papers are invited on the subject of Repair of FRP structures. Themes include:

- Damage assessment
- Current status of repair techniques
- Preferred repair procedures
- Material for repair
- New methods of repair
- Repair assessment methods
- Standards for repair of FRP structures
- Case studies
 - Successes
 - Lessons learned
- Training of skilled operatives

Please send a short abstract (250 words max) to claire.whysall@netcomposites.com outlining the key aspects of your presentation. Presentation timeslots will be 30 minutes. Abstracts should be submitted by **30th September 2010**.

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