Homework #5

Project Proposal. You will work on a project between now and the end of the semester. It should focus on some aspect of composite structures that is of particular interest to you, and should have the following components:

Some literature review (at least one paper or other source),
Some analysis, and
Some design.

Fabrication and testing may also be of interest, but will be in addition to the other parts.

You should anticipate submitting something on the order of a 10-page report at the end of the semester, along with a 10-15 minute presentation to the class.

Your proposal may emphasize one or more of these areas, and may be related to other course or research work you are doing, as long as the relationship is made clear. You may work in groups of 2-3 people if you like, but a corresponding positive increment in scope and quality will be expected.

Please turn in a "proposal" as a starting point for continued discussion. It should be 1-2 pages long, single-spaced, and should be submitted on paper. Be sure to describe the topic and scope clearly. If possible, provide a list of relevant references on an additional page.

Based on your previous ideas submitted as part of HW#1, I will send you some comments and questions by email. I will be happy to discuss your ideas with you in advance of submission of your proposal.

Some questions to keep in mind are:

Have you posed an interesting question about the use or analysis of composite structures?
Is your project goal clear?
Can the project reasonably be completed in the available time?
Can you establish intermediate goals to keep the project on track?
If you are working as a group, who is doing what?