Pre-Conference Seminar
Tuesday, December 4, 2012
1:30pm – 4:30pm
(Separate Fee of $495 required on Registration Page)


Presented by:
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Abstract:
Over the past decade energy concerns have dramatically reshaped the markets for aircraft and energy products. This trend has placed a premium on efficiency, performance, and other measures of ownership costs. The high strength and performance characteristics of carbon fiber reinforced plastics (CFRP) relative to many traditional construction materials has resulted in a punctuated adoption across aerospace, energy, industrial and consumer product markets. Over the coming decade, the factors supporting the growth of CFRP are expected to intensify, resulting in an expected 250 percent growth in materials demand. Carbon fiber materials, however, face advancing competition in the form of advanced metal alloys, which must both compete and be compatible with carbon composites. This seminar will provide a comprehensive look at how the end-user markets and advances in competing materials technologies are impacting the future market for carbon fiber materials and related supply chains.

Part 1. Carbon Fiber End-Use Demand
- Aerospace
- Energy & Industrial
- Consumer Products
- Market Development Scenarios

Part 2. Carbon Fiber and Supply Chain
- Global/ Regional Production Capacity
- New Market Entrants
- Balance of Supply and Demand
- Impact on related CFRP supply chains and semi-processed goods

Part 3. The Future Competitiveness of Carbon Fibers in Performance Driven Markets
- Competing material supply chains
- Major challenges to current and forward competitiveness
  - New Materials
  - Manufacturing constraints/efficiency
  - Disruptive trends and technologies