

**IMPACT: Integrated Mechanics of Processing
and Composite Technologies Laboratory**
The University of Texas at Austin

Current Research Thrusts:

- **In-Situ Curing Methods**

- *Study methods for curing composites “on-the-fly” (i.e. during winding)*
- *Identify process parameter windows*

- **Waviness Development**

- *Develop an understanding of the mechanisms which produce fiber/ply waviness in manufactured parts*
- *Identify methods for improved control of waviness development*

- **Defect Criticality**

- *Identify the most performance-sensitive defects and their sources*
- *Establish methods for reducing manufacturing-induced defects*