Composites University Technology Centre
Current Themes

**Through-Thickness Reinforcement**
Including: characterisation; delamination management; mechanical performance; numerical models

**In-service Conditions**
Including: foreign object damage; complex stress states

**Advance Modelling Methods**
Including: cohesive zone modelling; novel numerical methods; fatigue modelling; multi-scale modelling

**Defects & Features**
Including: testing and modelling; fatigue; environmental effects

**Vibration & Fatigue**
Including: understanding composite behaviour; environmental conditions

**Novel Structures and Materials**
Including: curing; nano-reinforcement; thermoplastic composites; ceramic matrix composites; high temperature polymers

**Composites Manufacturing**
Including: automated manufacturing methods; process modelling; design studies

**Composite Repair**
Including: impact damage repair

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