

Current projects

- **Behavior of Composites in extreme environmental conditions:** NSERC CR D project, in collaboration with MDA Ltd., Pratt & Whitney Canada Ltd., Epsilon Aerospace, Canadian Space Agency, Nanoquebec, Consortium for Research and Innovation for Aerospace (CRIAQ)
- **Automated Composites Manufacturing:** NSERC Industrial Chair, in collaboration with Bombardier Aerospace, Bell Helicopter Textron Canada Ltd., Emergia Aerospace, Delastek Ltd., Composites Atlantic.
- **Flex beam flappability optimization:** NSERC CRD project, in collaboration with Bell Helicopter Textron Canada Ltd., MDEIE, Indian Institute of Science.
- **Nano crystalline cellulose:** Contract with Bell Helicopter Textron Canada Ltd.
- **Self Healing materials for space applications:** In collaboration with MPB Ltd.
- **Polymer nanocomposites:** Incorporation of nanoclays, carbon nanotubes to develop new multi functional materials.
- **Thermoplastic composite rods:** Development of new thermoplastic composite rods that are bendable.
- **Development of new technique for the self sensing of composite structures**
- **Composite tube for bicycle applications:** In collaboration with Rocky Mountain bike Ltd.
- **Organization of 19th International conference on composite materials (ICCM19):**
General chair of the conference