

**Development of thermoplastic composites for high pressure and temperature applications**

**Faculty advisor:** Prof. Hani Naguib

This project involves the development and characterization of fiber reinforced thermoplastic composites targeting high strength and resistance to extreme operating conditions including high temperature and pressure. The grad student will be involved with the manufacturing and characterization of various composite systems including mechanical and thermal properties as well as analysis of the embedded fibers by scanning electron microscopy.

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Project duration 2 to 3 terms and it involves an industrial partner

Research area: Composite materials development