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Topics of interest include, but are not limited to, the following: Design, synthesis, applications and investigation of **graphene**, graphene related materials and other **2D & layered materials** (for example Silicene, Germanene, Phosphorene, MXenes, Boron nitride, Transition metal dichalcogenides) Characterization of these materials using all forms of **spectroscopy** and **microscopy** techniques **Chemical modification** or **functionalization** and **dispersion** of these materials, as well as **interactions** with other materials Exploring the **surface chemistry** of these materials for applications in: **Sensors or detectors** in electrochemical/Lab on a Chip devices, **Composite materials**, **Membranes**, **Environment technology**, **Catalysis for energy storage and conversion** (for example fuel cells, supercapacitors, batteries, hydrogen storage), **Biomedical technology** (drug delivery, biosensing, bioimaging)

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INTRODUCTION

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