

Future Industries Institute Seminars

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Science and Engineering of Low Dimensional Materials

Abstract: The past two decades has belonged to truly innovative and amazing discoveries in the area of nanotechnology. It is clear that nanomaterials will play a significant role in shaping future technologies. Although basic science in the area has progressed significantly, there are still challenges related to engineering and integration of nanomaterials into applications and commercial products. This talk will discuss some of the challenges and opportunities in the field, with particular reference to carbon based nanostructures, two-dimensional atomic layers, nanocomposites and energy storage. Our group has made pioneering contributions to these areas in the past two decades and some of our contributions that include synthesis, characterization, engineering aspects and possible applications of these nanomaterials will be discussed.

**Thursday 27th July 2017 at 12 pm – MM1-05, MM Building, Mawson Lakes Campus
All welcome!**

