

## **Internal Seminar**

### **Development and Studies on Engineered Metal Dichalcogenides based Catalysts and Small Molecule Sensors**

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Two dimensional (2D) nanomaterials have been in the scientific forefront due to the additional intrinsic nanometric properties that the 2D materials gain because of reducing their dimensionality. This research is still in its infancy, however, these materials attract much interest and are expected to play an important role in a variety of applications such as catalysis, drug delivery, flexible electronics, energy storage, imaging, biosensors and more. Therefore, this presentation will detail the development and studies on engineered metal dichalcogenides based catalysts. Further their potential use as electrocatalytic materials for carbon dioxide reduction, hydrogen evolution reaction and small molecule electrochemical sensors will also briefly describe.

***Tuesday, May 30<sup>th</sup> 2017***

***2:00 PM (Tea/Coffee at 1:45 PM)***

***Seminar Hall, TCIS***