

Dear Faculty, IGERT Fellows, IGERT Associates and Students,

You are cordially invited to attend a Seminar presented by Belinda Tran Le.
Please plan to attend.

Belinda Tran Le

IGERT Fellow

Date: Friday, December 5th, 2014

Location: Bourns A265

Time: 11:00am

Image Processing and 3D Reconstruction in Electron Microscopy

Abstract:

Electron Microscopy (EM) is an important tool for the analysis of biological structures and can bridge the gap between cellular and molecular biology. Understanding the structure of macromolecules such as proteins and nucleic acids is crucial in gaining insight on cellular functions. The 2D images of EM provide sufficient information about biological specimen, but reconstructing these 2D images into 3D images can give a more comprehensive view of the specimen as a whole. In this presentation, I will review EM techniques used to acquire biological images and the different approaches to reconstruct 2D EM images into 3D images.

