

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Dr. Feizhou He, Canadian Light Source
University of Saskatchewan

TOPIC: *Resonant Soft X-Ray Scattering: Recent Researches at CLS*

DATE: Tuesday, January 26th, 2016

TIME: 3:30-4:30pm.

PLACE: Rm. 103, Physics Building

ABSTRACT:

In a class of complex materials so-called Strongly Correlated Electron Systems, small modulations of the charge, spin and orbital orders often result in extraordinary properties such as superconductivity, colossal magnetoresistivity, and metal-insulator transition, etc. Detecting these small variations in the materials is very challenging. Resonant soft x-ray scattering (RSXS) is a powerful synchrotron probe for investigating novel phenomena such as the charge ordering and its symmetry in High T_c superconductors, and high mobility electron gases at oxide interfaces. This talk will provide a brief introduction to the resonant X-ray scattering, and a few recent research highlights at REIXS Beamline of Canadian Light Source.

Coffee and Cookies will be served in the Physics lounge at 3:00 pm. for those attending the seminar.