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 Tc 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.