

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Bassey Bassey, PhD Candidate,
Department of Physics & Engineering Physics

TOPIC: *Bent Laue Crystal Optics: Technology and Applications*

DATE: Tuesday, November 17th, 2015

TIME: 3:30-4:30pm.

PLACE: Rm. 103, Physics Building

ABSTRACT:

Crystals, flat or bent, have been widely used as x-ray optical elements either in the reflection geometry (Bragg crystal), transmission geometry (Laue crystal) or a combination of both geometries. In this seminar, with focus on bent Laue crystals, will be presented the methods of bending crystals, types of bending, the effects of bending as well as the associated theories that describe the diffracted beam properties. Some of the bent Laue crystals techniques and the applications they have been put to will also presented particularly for use at a synchrotron source.

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