

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Dr. Chijin Xiao, Physics & Engineering Physics

TOPIC: *Fusion-The Dream Energy Source*

DATE: January 8th, 2019

TIME: 3:30-4:30 p.m.

PLACE: Physics 103

ABSTRACT:

Nuclear fusion has been a dream energy source to ultimately meet the increasing energy demands in the modern society since the fusion fuels are practically inexhaustible and fusion power plants produce low carbon footprints. In the pursuit to build a commercially viable fusion power plant, scientists and engineers around the world are working hard to solve various problems. In this talk, I will introduce the principles of fusion reactors and the approaches, the progress we have made towards our dream, the main issues involved in fusion reactor plants, the fusion related research activities carried out in the Plasma Physics Laboratory at the University of Saskatchewan, the recent efforts in Canada to restore and ramp up the fusion R&D activity level in Canada, and the possible Canadian engagement in the ITER project.

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