

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Dr. Andrei Smolyakov,
Physics & Engineering Physics

TOPIC: *Plasma Physics for electric propulsion and plasmonics applications*

DATE: January 9th, 2018

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

PLACE: Physics 103

ABSTRACT:

Plasma physics is a mature science discipline which addresses the behavior of plasma state: the most common form of the visible matter in the universe. Such fundamental problems as origin of the Sun and Earth magnetic field, magnetic reconnection, and plasma turbulence are topics of the active research. Plasma physics has also numerous applications to applied physics problems such as controlled thermonuclear fusion, material processing, electric propulsion, metamaterials and plasmonics. In this talk . some fundamental and applied plasma physics problems will be discussed with emphasis on electric propulsion and plasmonics applications. The examples and opportunities for research projects for graduate and summer research will be presented.

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