

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Dr. John Tse
Department of Physics & Engineering Physics

TOPIC: *No Pressure, No Life*

DATE: November 1st, 2016

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

PLACE: Physics 103

ABSTRACT:

Pressure is a versatile thermodynamics variable but it is also the less investigated. It is known that crystal and electronic structures can be modified dramatically by pressure. The latest discovery is the highest superconducting critical temperature ever observed of 200K (higher than the sublimation temperature of dry ice!) when a simple gas, hydrogen sulphur, is compressed to 200 GPa. In this presentation, I will highlight several scientific challenging problems relevant to our living, for example, the origin of and the existence of water on our planet, a system which we cannot even observe anything directly 1 km under our feet. I will take snapshots on my current experimental and theoretical research to illustrate the diversity and inter-disciplinary nature of high pressure science.

Coffee and Cookies will be served in Physics 103 at 3:00 p.m. for those attending the seminar.