

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Brice Jamieson, ELIX wireless, Vancouver

TOPIC: *The Wonderful (and occasionally unlikely) World of Engineering Physics Or: Fifteen Orders of Magnitude in Magnetics for Fun and Profit.*

DATE: Wednesday, October 14, 2015

TIME: 4:30-5:30pm.

PLACE: Rm. 175, Physics Building

ABSTRACT:

Probably for many students, deciding what you want to do with an EP degree (or explaining to people what you can do with an EP degree) is the most difficult part of getting that degree after the 80-hour weeks, seven classes a term, 8:30 am classes every morning, and Math 338. Luckily, the open-endedness of the degree options could be considered one of the strengths of the program as it can easily lead you to opportunities/places you may have never considered. This is just one example of a possible career path starting with EP and covering magnets of most sizes and types in areas ranging from research to product development. Topics to be covered may include: Ferromagnetic Properties of Graphene, Si-Integrated Microtransformers, Complex Permeability Spectra, Research Applications of a Hacksaw, Analytic Modelling in Excel, Data Collection and Analysis, Gaining Access to Polish Naval Bases, Pressure Effects on Electronic Systems, Modern Hard Drive Read/Write Mechanisms, Startup Culture, Very Large Neodymium Magnets Rotating at Unwise Speeds, and Unusual Transformer Design.

The second half of this talk will focus on ELIX Wireless Charging Systems, a Vancouver-based startup in the wireless power sector perpetually looking for co-op students, interns, and (hopefully soon) recent grads.