



Canadian Nuclear Society and ZED-2 Reactor Physics Winter School Public Lectures

J.L. Gray Building, Bennett Room (please use rear entrance)

Monday, December 5th, 7 pm

“The Urgent Need for Small Modular Reactors in Canada’s North”

a presentation by

Peter Lang, Dunedin Energy Systems

Through his professional career in military and commercial aviation, Peter Lang has seen first-hand the tremendous technical and logistical effort, and financial resources, necessary to provide heat and power to the remote communities and industries of the High Arctic. This presentation will discuss how current remote-site energy technologies are becoming increasingly unsustainable and how nuclear technology can offer a solution that will allow the citizens and industries of the Arctic to reach their full potential.

Thursday, December 8th, 7 pm

“The Neutrino Enigma and Other Dark Matters”

a presentation by

Dr. Tony Noble, Director of the SNOLAB Institute

The elusive neutrino has been responsible for key developments in our understanding of the physics of the structure and properties on the smallest scale – that of the most basic building blocks of nature – and is also thought to have played a role in the formation of structures on the largest scale, and in the evolution of the Universe. Dark Matter, a mysterious form of matter which appears to dominate the Universe, has its own secrets which current experiments may begin to elucidate. In this talk, Dr. Noble will discuss the physics motivation and prospects for the next generation of experiments studying neutrinos and searching for Dark Matter at the world’s foremost accelerators and deep underground facilities.

For further information, please contact Ruxandra Dranga at (613) 584 – 8811, ext. 46856, or Mike O’Kane ext. 43642.