



**Canadian Nuclear Society
Soci t  Nucl aire Canadienne
Ottawa Branch**

**Aircrew and Spacecrew Radiation Exposure
Or
“The Dangers of Getting High”**

**Dr. Brent Lewis
Royal Military College of Canada**

This presentation will address aircrew and spacecrew radiation exposure that is derived from galactic cosmic radiation and solar particle events. The talk will describe the issue of cosmic radiation exposure for flight crew and frequent flyers, and details research to support upcoming regulation by Transport Canada to monitor aircrew exposure in the airline industry. Issues that have arisen for spacecrew are also addressed. The talk is intended for a general audience.

Dr. Brent Lewis is a Professor of Nuclear Engineering at the Royal Military College of Canada. From 1980 to 1988 he worked at the Chalk River Laboratories where he was responsible for an in-reactor research program on nuclear fuel. He has published over 200 papers and reports on nuclear fuel behaviour and aircrew/spacecrew radiation exposure. He sits on various committees and working groups for the American Nuclear Society, International Commission on Radiological Protection, International Organization for Standardization, and International Space Station Multilateral Radiation Health Working Group. He is a fellow of the Canadian Nuclear Society and was recently awarded an UNENE/COG/NSERC Industrial Research Chair in Nuclear Fuel.

Date: **Thursday, April 16**
Time: 7:00 pm.
Location Air Force Mess (Astra Lounge, 1st Floor)
158 Gloucester St. (between Bank and O’Connor)

Cash bar available.

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- ALL WELCOME -