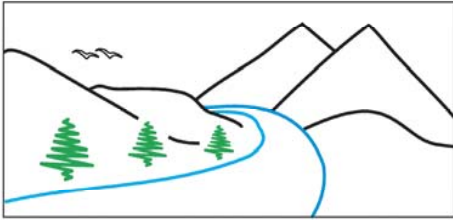


**NRESi**



"Our environment is our future"

## RESEARCH COLLOQUIUM SERIES



**Dr. Peter Jackson &  
Dr. John Spagnol**

Environmental Science & Engineering  
**UNBC**



**Friday**  
**Nov. 14, 2008**

**3:30 - 4:30**

**LECTURE THEATRE**

**7 - 212**

LIGHT REFRESHMENTS  
SERVED AT 3:20 PM

### Air Quality Modelling of the Prince George Airshed

Air Quality is a significant environmental, social, economic, political and health issue in Prince George, where the pollutant of greatest concern is fine particulate matter (PM10 and especially PM2.5). Managing air quality with a goal of lowering ambient levels of pollutants involves managing pollutant sources. Fine particulate matter is notoriously difficult to manage since it typically comes from multiple sources, the magnitude of which are often difficult to quantify. In order to make effective decisions about which sources to target for reduction, the environmental manager must know the relative contribution of each source in the airshed to ambient levels at locations of interest. Dispersion modelling is a tool that can be used to determine this. The Prince George Air Improvement Roundtable Research Working Group (PGAIR-RWG) in conjunction with UNBC have undertaken a two year dispersion modelling study to determine the contribution of sources to particulate matter in the Prince George Airshed. The presentation will discuss the dispersion modeling study and summarize some of the preliminary (draft) findings.