

NRESI RESEARCH COLLOQUIUM SERIES

FRIDAY

Oct. 27, 2006

3:30 - 4:30 pm

**LECTURE
THEATRE
7-158**

**LIGHT
REFRESHMENTS
SERVED AT 3:20 PM**

Dr. Stephen Dery *Environmental Science* **UNBC**



An Introduction to research on northern Hydrometeorology at UNBC

Global surface air temperatures have risen by about 0.5 degrees Celsius during the twentieth century, and the temperature increase is expected to be greater this century. The temperature rise in the polar regions of the Northern Hemisphere is projected to be greater than anywhere else on Earth. This talk will introduce the research being conducted within the northern hydrometeorology group at UNBC. Among the topics presented will be an analysis of trends in river discharge in northern Canada and the large-scale factors driving these changes, global climate model projections of snowpack conditions during the twenty-first century, and a water budget study of the Quesnel River watershed. The talk will end with a discussion on the recent deployment of the Cariboo Alpine Mesonet, a network of meteorological towers set up in the Quesnel River Basin that will enhance our understanding of hydroclimatological change in mountainous terrain.