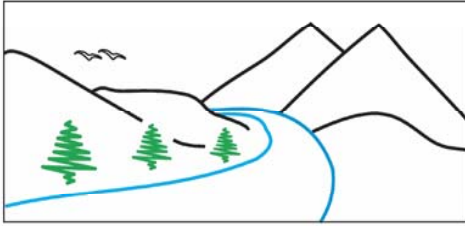


NRESi



"Our environment is our future"

RESEARCH COLLOQUIUM SERIES

Dr. Stephen Déry

CRC - Northern Hydrometeorology
Environmental Science Program, **UNBC**



FRIDAY

March 7, 2008

3:30 - 4:30

**LECTURE
THEATRE**

7-150

LIGHT
REFRESHMENTS
SERVED AT 3:20 PM

Development of the Cariboo Alpine Mesonet and Preliminary Results

Rising air temperatures have profoundly impacted British Columbia (BC) mountain ecosystems, including the Interior Wetbelt. This region supports the sole interior temperate rainforest, or perhaps more appropriately "snowforest", of North America. Relatively cool air temperatures, abundant precipitation (including snowfall) and heavy snowpacks qualitatively define its climate. However, quantification of its climate is not well known owing in part to the sparse observational network that currently exists in the region, particularly at higher elevations. This talk will describe the recent deployment of a mesoscale network (mesonet) of meteorological stations known as the Cariboo Alpine Mesonet (CAMnet) that greatly enhances the existing observational network, particularly at higher altitudes (>1.5 km). Information on the location of the stations, data being collected and possible future expansion of the network will be discussed. Some preliminary results based on CAMnet data will be presented and the talk will end with a discussion of the possible ecohydrologic impacts of a changing climate in the Cariboo Mountains of BC.