Work opportunity in northern hydrometeorology

Project description: While west-central British Columbia (BC) encompasses a vast region of stunning landscapes and waterscapes, it is especially vulnerable to hydrometeorological and climate extremes. Lying at the frontline of a primary storm track of the mid-latitude westerlies, the region is one of the wettest on the planet. Pineapple Expresses and other fall and winter storms routinely inflict heavy precipitation, icing and other adverse conditions. Conversely, summer droughts, intense thunderstorms and high winds ignite and sustain destructive wildfires yielding poor air quality. Concerns are also rising that a warming climate is intensifying climate and hydrometeorological extremes making individuals, ecosystems, infrastructure and socio-economic activity more susceptible to disturbances and interruptions. Despite mounting concerns and interest on extreme events in west-central BC and globally, they remain poorly monitored, predicted and understood. Thus, UNBC's Northern Hydrometeorology Group (NHG) is developing the 'Monitoring Extreme Climate and Hydrometeorological Events' or MECHE observatory to train the next generation of hydrometeorologists on state-of-the-art monitoring equipment, filling key observational and knowledge gaps on weather, climate and hydrological extremes in west-central BC. Two primary sites, one in a more maritime setting in Terrace and the other in a more inland setting at Tahtsa Narrows, among others, will be outfitted with specialized meteorological equipment to obtain detailed measurements of environmental conditions.

Position description: We invite applications for a **hydrometeorological technician** (HT) having extensive experience with a range of hydrological and meteorological sensors and data loggers, monitoring equipment and with exceptional field work skills. The candidate should also have excellent technical, programming, and communication skills. Experience in the use of GIS software (e.g. ArcGIS or QGIS) and in the application statistical analyses (e.g. using R) is an asset. Applicants must hold a M.Sc. in the atmospheric sciences, hydrological sciences or related fields, or equivalent experience, and preference will be given to those with strong leadership and problem-solving skills. Applicants must be able to work independently as well as in a team environment and have the ability to contribute to dissemination efforts including papers for peer-reviewed journals and outreach activities. The successful candidate will be based at the University of Northern British Columbia (UNBC) in Prince George, BC, and will work closely with collaborators, industry partners, and local stakeholders including First Nations. UNBC is fully committed to employment equity and strongly encourages applications from women, aboriginal peoples, persons with disabilities, members of visible minorities and the LGBTQ2S+ community. The successful candidate will be offered a one year full-time position (35 hours/week) with option for a renewal if progress remains satisfactory.

Interested applicants should contact Dr. Stephen Déry at sdery@unbc.ca with a cover letter highlighting research and field work experience relevant to this position, an up-to-date curriculum vitae or résumé, unofficial transcripts, and the names of at least two potential references. **The application deadline is Friday 26 August 2022 or until the position is filled**. Position will start in late September or early October 2022.