



## Post-Doctoral Position in Wildfire Intelligence using Multi-Remote Sensing Technologies

Department of Geography and Environment  
University of Lethbridge, Alberta Canada



Remote sensing and big geospatial data offer the potential to understand and spatialize important attributes of Canadian forests, wetlands, and grasslands used to inform wildfire risk management and response. We seek a post-doctoral fellow to work with professors at the University of Lethbridge and experts at EarthDaily to inform a state-of-the-art remote sensing-based wildfire intelligence system for the boreal region of Canada. The research will use the EarthDaily Constellation of thermal infrared satellites, VIIRS, L-band SAR, and optical imagery as well as high resolution airborne/satellite lidar data and hydro-meteorological conditions. Salary is commensurate with experience, inclusive of benefits for 1 year with an opportunity for renewal for year 2 based on internal review.

Those with advanced knowledge of remote sensing, geomatics, geographic information systems, and machine learning/computer-based AI knowledge/programming are encouraged to apply. Applicants should also be able to write and communicate well in English, have advanced understanding of statistics, and should have some knowledge of physical geography or environmental sciences. There will also be a short period of fieldwork included. We welcome applicants with diverse backgrounds and experiences.

The University of Lethbridge is located just over an hour from the Canadian Rocky Mountains in Southern Alberta, a region of unprecedented beauty and iconic recreational experiences. Remote sensing is vibrant at U of L, with high quality research and variety of novel technologies, including airborne Teledyne Optech Inc. Titan multi-spectral lidar, terrestrial lidars, drones (thermal, lidar, multi-spectral), ASD spectroradiometers, goniometers, and field support/*in situ* monitoring equipment.

Please send applications to Dr. Chasmer via the email address: [laura.chasmer@uleth.ca](mailto:laura.chasmer@uleth.ca)

Click [here](#) to learn more about the Department of Geography and Environment at the University of Lethbridge

**Review of applications will begin on June 6<sup>th</sup>, 2025**

**Required documents:** Please submit a 1-page letter describing how your research background fits the position, unofficial transcripts, and your CV to [laura.chasmer@uleth.ca](mailto:laura.chasmer@uleth.ca)

