

# Earth, Environmental and Geographic Sciences Seminar Series

## Dr. Adam Wei

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### Cumulative Effects of Forest Disturbance on Hydrology in the BC Interior

Understanding the cumulative effects of forest disturbance on hydrology is critical for reducing environmental risks, protecting water supply and sustaining many other ecological functions. However, studying cumulative hydrological effects is challenging mainly because it requires addressing both spatial and temporal scales. Over the past 10 years, my research group has developed our own method for quantifying cumulative hydrological effects caused by forest disturbance, and has applied this method in various watersheds in the BC interior. This presentation will summarize what we have learned in various aspects: cumulative effects on hydrology and flow regimes, interactions between forests and climate, scaling properties and thresholds. Future research priorities will also be briefly discussed.

**Friday, January 31st**  
**SCI 337 3:00-4:00pm**  
Light refreshments will be served.

EARTH, ENVIRONMENTAL AND GEOGRAPHIC SCIENCES



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