



UAA College of Engineering  
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar Series

## Creating Your Own Research Innovation Strategy

Presented by: Dr. Erin Trochim  
Title: Research Assistant Professor,  
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**ABSTRACT:** Alaska is an exciting place for research. It can be challenging to reconcile our personal motivations, opportunities at hand and larger mandates to make science and engineering community-focused and actionable. This talk will discuss why creating a personal research innovation strategy is valuable in navigating this space. We will translate a business innovation strategy into one appropriate for research. When we reflect on past work, typically it is organized chronologically, by discipline or by technology. Reframing this through an innovation landscape map allows new narratives and connections to be made. It is important to ask questions such as: A) Why did you work on that project? B) What were you trying to accomplish? C) How did it influence future work? This framework will be applied to work and projects over the last decade to pull relevant themes and insights.

**BIO:** Erin is a geospatial data scientist with a strong interest in decision making focused on energy and northern applications. She has been a Google Cloud Research Innovator, worked as a project lead for the University of Washington Data Science for Social Good Program and is co-contributor to the Google Earth Engine Community Catalog. She received her interdisciplinary PhD from the University of Alaska Fairbanks with a focus on Remote Sensing & Hydrology. Her postdoc with the Alaska Climate Adaptation Science Center included work with the NSF SEARCH program to make permafrost information accessible for policy applications. This includes creating the [Permafrost Community Data](#) app. Currently, her projects focus on energy needs in Alaska including the Arctic Energy Atlas, creating environmental data for marine and hydrokinetic applications and the synthesizing heating loads for the Railbelt Decarbonization study.

Friday, October 18, 2022

11:45 am - 12:45 pm

Online Via [YouTube Live](#)