



**UAA College of Engineering**  
UNIVERSITY of ALASKA ANCHORAGE

UAA Professional Development Seminar Series



## **Arctic Planning & Environmental Considerations: A Case Study of Arctic Communities**

Presented by Patrick Cotter

Communities across Alaska face many challenges when developing and maintaining infrastructure. This talk will look at how two communities – Utqiagvik and Little Diomedé – are adapting to a changing arctic through robust infrastructure planning. While these two communities faced different issues, the planning process was similar.

Utqiagvik experienced a flurry of oil and gas activity from 2012 to 2015 that put demand on the airport and illuminated the need for additional infrastructure to support large-scale exploration activities. Meanwhile, the village of Little Diomedé was seeing less stable sea ice and facing a serious transportation problem - without stable ice cover, the community could not rely on fixed-wing air transportation (planes land on the sea ice next to the community).

Patrick Cotter is a planner with PDC Engineers in Fairbanks. He has worked on community projects across Alaska. Patrick has degrees in Ecology, Biology, and Geographic Information Systems, and is a UAF alumnus.

**Friday, September 8, 2017**

**11:45 am-12:24 pm**

**UAA College of Engineering, EIB 211**