



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

UAA Professional Development Seminar Series

## **Arctic Airports**

**Presented by Angela Smith, PE**



Aviation in Alaska plays a major role in the transportation of goods and services, with nearly 250 communities in Alaska only available by air. This presentation will provide an overview of design and construction solutions that might otherwise be well engineered but have been found to be inadequate for the demanding and changing arctic environment. Ms. Smith will address unforgiving extremes in temperatures, drifting snow, and the presence

of permafrost; high cost of remote site construction and the short construction season; and the need to protect the fragile arctic environment.

Angela Smith is PDC Engineer's Aviation Group Lead and has 18 years of aviation design experience overseeing the preparation of design plans, specifications, cost estimates, and technical reports for airport improvements throughout Alaska. A significant portion of her work has been on rural airports with marginal soils in arctic climates.

**Friday, September 22, 2017**

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

**UAA College of Engineering, EIB 211**