

INSTITUTE OF NORTHERN ENGINEERING

The Institute of Northern Engineering is the research enterprise for the College of Engineering and Mines. INE faculty and students are engineering solutions for the world's cold regions and beyond. The institute is home to many of the world's leading researchers in cold weather and cold climate science and engineering. INE research and support span the engineering disciplines, offering studies and expertise in energy production, modeling and testing of mechanical systems, and environmental engineering and hydrology, as well as Arctic infrastructure, and mining and petroleum development. INE also participates in many cross-institute endeavors.

The institute includes the Alaska Center for Energy and Power (<http://acep.uaf.edu>), Alaska University Transportation Center (<http://ine.uaf.edu/autc>), Mineral Industry Research Laboratory (<http://ine.uaf.edu/mirl>), Petroleum Development Laboratory (<http://ine.uaf.edu/pdl>), and Water and Environmental Research Center (<http://ine.uaf.edu/werc>). ACEP houses the Alaska Hydrokinetic Energy Research Center, and WERC serves as the home of the Alaska Stable Isotope Facility. External grant and research support for INE programs has been more than \$20 million annually since 2011. Most of INE's researchers are full-time faculty in the College of Engineering and Mines, allowing research results to reach the classroom quickly.

INE offers diverse interdisciplinary research opportunities, challenging students to tackle wide-ranging engineering topics. Students gain knowledge and experience through hands-on engagement, setting them apart in the engineering job market.

To get started with your northern engineering research or studies, visit <http://www.uaf.edu/ine/> or call 907-474-5457.