



Graduate and Undergraduate Opportunities Gain Real Life Experience in Energy

The Alaska Center for Energy and Power is on the cutting edge of applied energy research in Alaska. Since energy solutions are multi-disciplinary in nature, ACEP builds teams across the university system to answer the questions that will drive Alaska's energy future, providing our students with a big-picture perspective for practical problem solving.

ACEP relies on graduate and undergraduate students to be integral members of the team, working side by side with research faculty and other staff as well as our industry and agency partners.

Our student employees have a unique opportunity to build their skill while solving real problems for Alaska's communities.



Installing a wind anemometer at Chena Hot Springs Resort. Photo by G. Holdmann, ACEP

ACEP Opportunities – Spring 2011

Research Technicians (January 2011, Summer 2011)

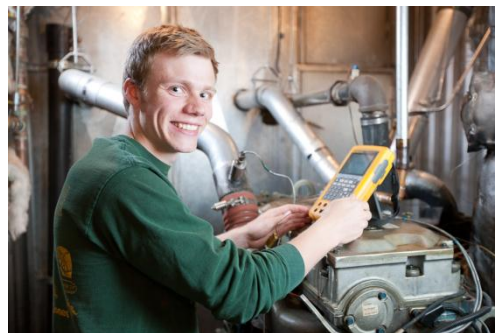
ACEP has limited student positions open to assist with various research projects scheduled for the spring semester and over the summer. Projects include involvement in developing our new Energy Technology Facility, and field work at Pilgrim Hot Springs. Opportunities many also develop in other areas of study including the investigation of biomass and combined heat and power systems, carbon sequestration, river and tidal power systems, wind-diesel hybrid applications and ground source heat pump technology.

Rural Energy Assistant – January 2011

Work with communities and tribal entities to identify, fund and work on rural energy solutions.

Research Engineer – January 2011

Potential opportunity for an engineer with a desire for a hands-on, problem solving work environment focused on a variety renewable and fossil energy solutions for Alaska. Applicant needs an advanced understanding of engineering concepts and applied research as well as a basic understanding of energy technologies.



Mechanical Engineer, Kelsey Boyer, investigating diesel engine efficiency through heat recovery

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What Are We Looking For?

We welcome students and staff from all relevant disciplines to work on our projects. ACEP will not compromise on the quality of students we invite to join our team. Only highly motivated, bright and curious students with an eagerness to learn, a desire to make a difference and a goal to build real life skills will be considered.

A Few of our ACEP Summer Students, 2011



(L-R) Kelsey Boyer – Undergraduate, Mechanical Engineering
Project Work: Improving diesel engine efficiency with waste heat capture.

Peter Illig – Undergraduate, Geology
Project Work: Geothermal Exploration Pilgrim Hot Springs.



Dominique Pride – PhD Candidate, Resource Economics
Project Work: Technical and economic analysis of carbon sequestration.
In addition, Dominique assisted in our hydrokinetic field work.

Lisa Stowell– Masters candidate,
Mechanical Engineering
Project Work: Geothermal Exploration Pilgrim Hot Springs



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