



KAI PARKER

Oregon State University, Coastal and Ocean Engineering

Degree:

B.S. in Civil Engineering, California Polytechnic University – San Luis Obispo

Advisor's name:

David Hill, PhD

Scholar Award Donor:

ARCS Foundation Portland Chapter

About the Scholar:

A changing climate will affect many aspects of our coastal systems, modifying diverse components such as water runoff, wave climate, sea level, and multitudes of other factors. Kai works to predict how climate change will affect estuaries into the future, with an emphasis on flooding hazards, through a suite of coupled models that will allow a better understanding of the challenges our coastal communities will face in the future.

Benefits to Society:

Better understanding of future flood hazards will allow planning and community development that minimizes risk.

Publications and Posters:

Poster Presentation: "The impacts of climate-change on estuarine flooding: a Pacific Northwest case study," K. Parker, T. Cheng, D. Hill, J. Beamer, G. Garcia

Locations:

- *Young Coastal Scientists and Engineers Conference - ,* University of Delaware, Newark, DE
- *Climate Institute Summer School -* TU Delft, Netherlands
- *American Geophysical Union, Fall Meeting.* San Francisco, CA