

# Student Funding Opportunity

## CMI Graduate Student Research Awards

**Deadline: January 14, 2019**



The University of Alaska Coastal Marine Institute (CMI) is a partnership of the University of Alaska, the Bureau of Ocean Energy Management (BOEM), and the State of Alaska. The CMI provides a pathway for BOEM to fund research supporting the management, exploration, and development of energy resources on Alaska's outer continental shelf.

In 2019, CMI will award up to two Graduate Student Research Awards of \$25,000 to support qualified students in research work that is technically meritorious and relevant to the BOEM mission. Projects should address one or more of the CMI Framework Areas defined below. Eligible students must be enrolled and in good academic standing through academic year 2018-19. Students are limited to one CMI research award per degree.

**Awards are intended to fund a specific, well-defined component or augmentation of a student's larger research effort or an established project.** Student Research Awards are restricted to a maximum of \$25,000 (including indirect costs) and should be spent May 1, 2019 through June 30, 2020. All award funds must directly benefit the student and may be used for graduate student support, tuition, university fees, and research expenses such as travel, supplies, and laboratory fees. Non-federal cost-share (1:1) is required and can include student advisor and committee member time and third-party contributions. Contact CMI with any questions.

### **Areas of Interest**

*Geographical Areas:* The primary regions of interest include State and Federal waters offshore of Alaska, particularly areas impacted by offshore oil and gas exploration and development. However, research efforts outside of the Alaska Region may be proposed if applicable to CMI priorities.

*CMI Framework Areas:* The most relevant studies will supply information to support the analysis of the potential effects of offshore development, including oil spill risk analysis and mitigation of potential impacts on the biological and human environment. Student research should address one or more of the following:

- Scientific studies for better understanding of marine, coastal, or human environments affected or potentially affected by offshore oil and gas exploration and extraction or renewable energy development on the OCS;
- Modeling studies of environmental, social, economic, or cultural processes related to OCS oil and gas or renewable energy activities in order to improve scientific predictive capabilities;
- Experimental studies for better understanding of environmental processes or the causes and effects of OCS activities;
- Projects that improve collection of and sharing of data regarding marine or coastal resources or human activities to support prudent management of oil and gas resources; and
- Synthesis studies of scientific environmental or socioeconomic information relevant to the OCS oil and gas and renewable energy program.

## PROPOSAL CONTENT

Proposals must address all 15 required elements and should not exceed 6 pages total for items 1-11.

### Required Elements

1. Abstract (*300 words or less*)
  - Identify applicable CMI Framework Area and region where the study will take place,
  - Define targeted objectives and questions or hypotheses being tested, and
  - Identify methodology.
2. Introduction/Background/Relevance to CMI/BOEM: Give a brief introduction to the research problem and supporting background information. State how the proposed work addresses the CMI Framework Areas and explain its relevance to management of Alaska's offshore oil and gas resources.
3. Objectives/Hypotheses: Clearly define *specific* goals to be addressed through this funding and ties to other research efforts, if applicable.
4. Methods/Analyses: Summarize methodologies and analyses to be used. The summary should be written so that it can be understood by individuals not familiar with the specific subject area.
5. Data Management/Archiving Plan: Explain your data management plan (i.e., providing data to BOEM in a format that meets Federal data standards, archiving with the National Oceanographic Data Center (NODC) or other appropriate Federal Data Repository, etc.).
6. Safety Plans and Permits: Identify permits required to accomplish the objectives and how they will be attained. For studies involving field work, provide a Logistics and Safety Management Plan.
7. Project Management: Indicate the role and anticipated level of effort for each participant in the project (student, advisor, etc.).
8. Performance Measures: *List specific measures* that will indicate project progress (e.g., completion of fieldwork, other project components, reporting, etc.).
9. **Required Project Deliverables:**
  - a) *Quarterly Reports*: October 15, January 15, April 15, July 15
  - b) *Seminar Presentation*: January 2020 – CMI Annual Research Review
  - c) *Draft Final Report & Technical Summary*: August 1, 2020
  - d) *Revised Final Report and Technical Summary*: September 15, 2020
  - e) *15-20 Project Images and Data Submission*: August 1, 2020
  - f) *Outreach summary (one page) or small poster (8½" x 11")* describing the project results in language appropriate to a non-science, lay audience: September 15, 2020
10. List any additional products (reports, analyses, maps, digital data, etc.) expected from the project.
11. Project Timeline: Include performance measures and project deliverables (Items 8–10).
12. Bibliography: Any references cited in the text.
13. Curricula Vitae (maximum 2 pages).
14. Letters of Commitment: Provide a letter of support from the student's Advisor or Committee Member ***stating that they will monitor project progress and review/approve the draft final report.*** The letter should also confirm that the student is enrolled/accepted and in good standing, that the student is able to complete the research in the timeline given, and that the source of the 1:1 non-federal cost-share and other contributing sources are accurate.
15. UAF Budget Spreadsheet and Justification: Detailed description of anticipated expenditures and sources of 1:1 non-federal cost-share (*include cost-share commitment letters as appropriate*). Describe any additional funding that is supporting this project and/or the student.

### SUBMISSION/QUESTIONS

**Deadline is 5 pm, Friday, January 14, 2019.** Applications must be submitted electronically **as a single PDF file** to [rmpost@alaska.edu](mailto:rmpost@alaska.edu). Please direct questions to CMI Program Manager, Ruth Post (474-6782, [rmpost@alaska.edu](mailto:rmpost@alaska.edu)), or CMI Director, Brenda Konar ([bhkonar@alaska.edu](mailto:bhkonar@alaska.edu)).