



## Oregon State University College of Engineering

### School of Mechanical, Industrial, and Manufacturing Engineering

#### MIME Strategic Excellence Initiatives: Research Experience for Undergraduates

Donations through the **OSU Foundation** to the **MIME Excellence Fund** provide approx. \$100K/year to support our strategic initiatives through a Call for Proposals (CFP) process. This announcement supports awards of up to \$5,000 provided to support eight-week **Research Experience for Undergraduates (REU)** opportunities in W or Sp 2019 giving up to \$1,500 to the student and \$500 honorarium for the faculty advising the student or Su 2019 giving up to \$3,000 to the student and \$1,000 honorarium for the faculty advising the student. An additional \$1,000 may be awarded for the student's travel (if needed for 8b).

#### *Proposal Guidelines*

All proposals should be submitted in a single PDF file through the MIME Undergraduate Research webpage portal by **Nov 9, 2018**. They must include the following:

1. Name of Faculty Project Advisor
2. Student name, email, phone, mailing address, number of terms of previous undergraduate research experience, brief description of experience (100-word limit).
3. Project description (to be completed by student; 300-word limit). Describe the research project to a general engineering audience, explaining the significance and approach of the proposed work; avoid the use of jargon and unexplained acronyms. Include a statement of the overall research questions and objective(s). Clearly state your role.
4. Term in which the work is to be carried out (i.e., W, Sp, or Su 2019).
5. Benefit to student (to be completed by student; 300-word limit). How will this research experience help you accomplish your educational and professional vision/goals/legacy?
6. Copy of student's transcript. Unofficial is acceptable.
7. Student's resume.
8. Dissemination plan.
  - a. Students receiving support are expected to participate in a College or University level research symposium.
  - b. Students may also participate in a relevant professional conference to submit their research findings; the specific selected venue should be addressed. An additional travel reimbursement of up to \$1,000 will be awarded for such work.
9. Faculty letter of support.
10. Faculty statement on how the project advances each of the COE strategic plan pillars (300-word limit).
11. Student Signature with the following statement: I (the student) give Oregon State University permission to use my name, proposal, report, a summary and/or excerpts of it, for the COE/MIME website and/or other publications for the sole purpose of sharing information about research and scholarship for students.

### *Proposal Review Criteria*

Review criteria for proposals are the following:

#### Scholarly merit

- Is the proposal well written?
- Does the proposal include a research statement and objective(s)?
- Is the significance and approach adequately described?

#### Student impact

- Will this research experience help the student accomplish his/her educational goals?
- Will this experience help the student accomplish his/her professional goals?

#### Other considerations

- Well prepared, well written resume
- Transcript and GPA
- Faculty mentor letter of support
- Adherence to proposal guidelines and criteria (1 to 10 above)

### *Reporting Requirements*

Week 5: Students are required to provide a two-page project update by Week 5 of their URE. The update should clearly address project accomplishments, work remaining to be done, and any changes of plans. It should use images/figures/graphics to support effective communication.

Week 8: Students are required to provide a five-page project report and poster presentation in the final week of their URE to their faculty advisor.

Week 8: The faculty advisor is required to provide a one-page assessment of the project report and poster presentation at which point the honorarium will be transferred to 201 account.

### *Notes*

Students in the Honors College who participate in this program as a part of or preparation for thesis work are strongly encouraged to enroll in HC 408.

Students cannot combine this funding with any other funding that covers the same period or project.