

Faculty Research Assistant

Position Details

Position Information

Department	Earth, Ocean & Atmo Sci (OAS)
Position Title	Faculty Research Assistant
Job Title	Faculty Research Assistant
Appointment Type	Academic Faculty
Job Location	Corvallis
Benefits Eligible	Full-Time, benefits eligible

Job Summary

The College of Earth, Ocean and Atmospheric Sciences invites applications for a full-time (1.0 FTE), 12-month, fixed-term, Faculty Research Assistant position. Reappointment is at the discretion of the Dean.

Oregon State University (OSU) is a partner on a large-scale multi-year federally funded project called the Ocean Observatories Initiative (OOI). OOI operates a global, networked infrastructure of science-driven sensor systems to measure the physical, chemical, geological, and biological variables in the ocean and seafloor. OSU operates the OOI Coastal Endurance Array, which is a network of sensors operating off the Pacific Northwest. This network brings a wealth of information to ocean researchers, fisheries, coastal managers, elected officials, and the general public about our shared ocean resources. The Endurance Array includes over 200 instruments mounted on 6 surface moorings, 6 profilers, and 6 gliders deployed off the coast of Oregon and Washington. Ocean measurements from these instruments are made available in near real time to the world via the web. The Endurance Array is described at <https://oceanobservatories.org/array/coastal-endurance/>, and the OSU team that operates it is described at <https://ceoas.oregonstate.edu/ocean-observatories-initiative-ooi>.

This Faculty Research Assistant (FRA) will work with a team of researchers, oceanographers, and technicians to assemble, deploy, recover, and refurbish oceanographic platforms and instruments used in the OOI Endurance Array. Work will focus on:

- Refurbishment, configuration and integration of oceanographic platforms and the instruments attached to them.
- Deployment and recovery of oceanographic platforms.
- Monitoring and remote operation of oceanographic platforms
- Quality assurance and quality control of Endurance Array data

It is expected that this FRA will become the primary technician on the refurbishment and operation of one or more Endurance Array components. Most likely, this FRA will become the team's lead for coastal surface piercing profiler moorings, which includes refurbishing and building non-OOI profilers that utilize technologies from OOI's coastal surface piercing profilers.

Why OSU?

Working for Oregon State University is so much more than a job!

Oregon State University is a dynamic community of dreamers, doers, problem-solvers and change-makers. We don't wait for challenges to present themselves — we seek them out and take them on. We welcome students, faculty and staff from every background and perspective into a community where everyone feels seen and heard. We have deep-rooted mindfulness for the natural world and all who depend on it, and together, we apply knowledge, tools and skills to build a better future for all.

FACTS:

- Top 1.4% university in the world
- More research funding than all public universities in Oregon combined
- 1 of 3 land, sea, space and sun grant universities in the U.S.
- 2 campuses, 11 colleges, 12 experiment stations, and Extension programs in all 36 counties
- 7 cultural resource centers that offer education, celebration and belonging for everyone
- 100+ undergraduate degree programs, 80+ graduate degrees plus hundreds of minor options and certificates

- 35k+ students including more than 2.3k international students and 10k students of color
- 217k+ alumni worldwide
- For more interesting facts about OSU visit: <https://oregonstate.edu/about>

Locations:

Oregon State has a statewide presence with campuses in Corvallis and Bend, the OSU Portland Center and the Hatfield Marine Science Center on the Pacific Coast in Newport.

Oregon State's beautiful, historic and state-of-the-art main campus is located in one of America's best college towns. Corvallis is located close to the Pacific Ocean, the Cascade mountains and Oregon wine county. Nestled in the heart of the Willamette Valley, this beautiful city offers miles of mountain biking and hiking trails, a river perfect for boating or kayaking and an eclectic downtown featuring local cuisine, popular events and performances.

Total Rewards Package:

Oregon State University offers a **comprehensive benefits package** with benefits eligible positions that is designed to meet the needs of employees and their families including:

- Medical, Dental, Vision and Basic Life. OSU pays 95% of premiums for you and your eligible dependents.
- Retirement savings paid by the university.
- A generous paid leave package, including holidays, vacation and sick leave.
- Tuition reduction benefits for you or your qualifying dependents at OSU or the additional six Oregon Public Universities.
- Robust Work Life programs including Dual Career assistance resources, flexible work arrangements, a Family Resource Center, Affinity Groups and an Employee Assistance Program.

Future and current OSU employees can use the **Benefits Calculator** to learn more about the full value of the benefits provided at OSU.

Key Responsibilities

55% – Mooring Refurbishment:

Perform top to bottom refurbishment of buoys, mooring risers, profilers and anchor recovery systems that will be used for scientific research. Clean and breakdown the scientific platforms recovered at sea, including download of data. Inspect and refurbish individual components, and reassemble platforms from the refurbished components. Ensure all equipment, components, and platforms are tested, fully integrated, programmed, and prepared for redeployment. Troubleshoot problems, suggest process and design improvements, implement approved improvements, and fully document all work. Follow complex procedures and coordinate with other team members throughout the refurbishment process.

20% – Deployment and Recovery:

Participate in oceanographic research cruises to deploy and recover platforms and instruments. Contribute to cruise preparations, the integration and testing of moorings on the ship, perform deck operations during deployment and recovery, and demobilize after recovery. Fulfill the post-cruise obligation of data dissemination to scientists and national data archives. Complete post-cruise assessments.

15% – Write Technical Reports:

Contribute to technical reports describing integration and test of observatory elements, oceanographic cruises and data quality control procedures. Plot and analyze engineering and scientific data. Prepare reports of observatory research for submission to National Science Foundation data centers, including documentation of metadata. Perform Quality Assurance and Quality Control analysis on OOI data. Document QA/QC results in OOI's annotation database. Contribute to peer-reviewed publications and to presentations at scientific conferences.

5% – Community Engagement and Public Outreach:

Assist scientists as directed to meet OOI's primary outreach goal of facilitating use of OOI by the scientific research community, such as contributing to the team's presentation materials and exhibits. May support the team's broader outreach goals to stakeholders such as undergraduate students and educators, K-12 students and educators, and regional coastal resource managers and communities.

5% Other Duties as Assigned

Drive university-owned, rental, or OSU Motor Pool vehicles to transport equipment and people to research sites or vendor locations.

What You Will Need

Master's degree in Oceanography, Marine Science, Natural Science, Computer Science, Engineering, or a related field.

Experience with software interfaces and electronics of scientific equipment.

Demonstrated written, verbal, and presentation communication skills.

Demonstrated scientific data analysis skills.

Possesses a commitment to work in a team with the ability to contribute expertise and follow leadership directives at appropriate times.

Must obtain forklift certification within one month of hire. (Onsite training provided.)

Possesses a commitment to working with diverse identities, perspectives and experiences, and a commitment to promoting and enhancing diversity.

This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per University Standard: 05-010 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months.

This position requires driving a university or rental vehicle; therefore, the incumbent must successfully complete a motor vehicle history check, possess and maintain a current, valid driver's license in their state of residence, be determined to be position qualified and self-report convictions as per University Policy 05-030.

What We Would Like You to Have

Experience writing and using Python, Matlab, or R code.

Experience running and modifying Linux shell scripts.

Ability to read electrical and mechanical drawings.

Experience preparing, deploying, recovering, and maintaining oceanographic research instrumentation.

Boat skills from experience on research, commercial, or recreational vessels.

Experience with design and documentation procedures and processes in large construction projects.

Expertise in hands on electronics, electrical, and software troubleshooting and problems resolution.

Working Conditions / Work Schedule

This position is required to work from various research ships in oceanic environments for up to 50 days per year. There will be one 16-day cruise each spring and each fall on a UNOLS Global Class Ship. There will also be up to ten 1-3 day cruises in between the two long cruises. While at sea, the ability to work and reside in confined spaces will be required. At sea work takes place on a moving platform, on elevated surfaces, and requires working with lift equipment; therefore, safety is of utmost importance. Safety procedures are common to all research ships and are required to be followed as explained by the Captain and crew of each ship at the start of and during each voyage.

The ability to lift/carry/push/pull objects weighing up to 50 pounds is required.

This position works directly with non-restricted chemicals, and occasionally requires exposure to high noise levels, use of respirator or dust mask, and operation of passenger vehicles, utility carts, forklifts, heavy machinery, winches, cranes, and other vehicles.

Pay Method

Salary

Pay Period

1st through the last day of the month

Pay Date

Last working day of the month

Recommended Full-Time Salary Range

Salary is commensurate with skills, education and experience.

Link to Position Description

https://jobs.oregonstate.edu/position_descriptions/102998

Posting Detail Information

Posting Number

P06874UF

Number of Vacancies

1

Anticipated Appointment Begin Date	08/01/2023
Anticipated Appointment End Date	
Posting Date	05/17/2023
Full Consideration Date	06/07/2023
Closing Date	06/21/2023
Indicate how you intend to recruit for this search	Competitive / External - open to ALL qualified applicants
Special Instructions to Applicants	<p>To ensure full consideration, applications must be received by June 7, 2023. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.</p> <p>When applying you will be required to attach the following electronic documents:</p> <p>1) A resume/CV; and</p> <p>2) A cover letter indicating how your qualifications and experience have prepared you for this position.</p> <p>You will also be required to submit the names of at least three professional references, their e-mail addresses and telephone numbers as part of the application process.</p> <p>For additional information please contact: Jonathan Fram at Jonathan.Fram@oregonstate.edu or 541-737-0019.</p> <p>OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.</p> <p>OSU will conduct a review of the National Sex Offender Public website prior to hire.</p> <p>· Starting salary within the salary range will be commensurate with skills, education, and experience. The anticipated starting salary will be \$55,000-\$65,000.</p> <p>This position is designated as a critical or security-sensitive position; therefore, the incumbent must successfully complete a criminal history check and be determined to be position qualified as per University Standard 05-010 et seq. Incumbents are required to self-report convictions and those in youth programs may have additional criminal history checks every 24 months. Offers of employment are contingent upon meeting all minimum qualifications including the criminal history check requirement.</p> <p>This position requires driving a university vehicle or a personal vehicle on behalf of the university; therefore, the incumbent must successfully complete a motor vehicle history check, possess and maintain a current, valid driver's license in their state of residence, be determined to be position qualified and self-report convictions as per University Policy 05-030 et seq. Offers of employment are contingent upon meeting all minimum qualifications including the motor vehicle check requirement.</p>

Supplemental Questions

Required fields are indicated with an asterisk (*).

- * After reviewing the OSU mission statement at <http://leadership.oregonstate.edu/trustees/oregon-state-university-mission-statement> and the emphasis on diversity, please state how your background and experience has prepared you to be effective in an environment that values diversity.
(Open Ended Question)

Documents Needed to Apply

Required Documents

1. Resume
2. Cover Letter

Optional Documents

1. Verification of Veteran Status ONLY (do not upload any other documentation to this field)