

Assistant Professor

Position Details

Position Information

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| Department | Biol & Ecol Engineering (ABE) |
| Position Title | Assistant Professor |
| Job Title | Assistant Professor |
| Appointment Type | Academic Faculty |
| Job Location | Corvallis |
| Benefits Eligible | Full-Time, benefits eligible |
| Remote or Hybrid option? | |

Job Summary **The Department of Biological & Ecological Engineering invites applications for a 1.00 FTE, 9-month, tenure-track Assistant Professor position in Agricultural Water Management.**

This position is part of the establishment of Oregon's Agricultural Water Management Technical Assistance Program (AgWater-TAP), which includes two faculty hires supported by the State of Oregon to establish expertise in agricultural water management and guide a newly-established, statewide AgWater-TAP. The incumbent will collaborate with a team of current and newly hired scholars, Extension specialists, state agency partners, and stakeholders to conduct the fundamental and applied research needed to improve agricultural water management in the state of Oregon. Overarching objectives for the AgWater-TAP include improvements in agricultural water management practices, maximizing beneficial use of water resources, and mitigating environmental impacts of agricultural water use. This position will strengthen Oregon's agricultural competitiveness by developing innovative solutions to current water management problems related to both quality and quantity, and will provide Oregonians with information to support on-farm decision-making. The position contributes to the stated mission of Oregon State University's Agricultural Experiment Station, Extension Service, and the College of Agricultural Sciences.

The incumbent will develop nationally recognized research programs to improve agricultural water management, sustaining or improving on-farm productivity while improving the management of water quantity and/or quality in agricultural systems. Expertise in integration of multiple, complementary data sources including but not limited to remote, proximal, and in-situ sensing of crop water demand and stress, irrigation system scheduling, point-based water quality and/or quantity observations, and stakeholder collaborations are of particular interest. The incumbent will be expected to establish and guide an AgWater-TAP advisory board in Western Oregon, support partnerships with stakeholders and agencies, and update or develop resources to inform agricultural water management in Oregon.

The incumbent will collaborate with other faculty and staff to assist in the deployment a network of meteorological stations in Oregon and integrate weather and other data into improved statewide forecasts and resources for water managers. The incumbent and their staff will work with the AgWater-TAP to advance evapotranspiration estimates and irrigation advice in support of on-farm decision-making at the

statewide level, including collaboration on a statewide platform providing open-access approaches to estimate evapotranspiration, integrate and assess QA/QC of an emerging statewide network of agricultural meteorological station data, and/or develop a network of water quality and quantity sensors. Funds will be provided to design, implement, and study the effectiveness of demonstration projects with a network of stakeholders in the region, instrument field sites, and establish partnerships with collaborators across the state.

There is an expectation that, as part of their role in the college, the incumbents embody and advance the principles and practices conveyed in the [CAS CARE Commitment](#) document.

College of Agricultural Sciences faculty are committed to enhancing student success by engaging students in quality academic, research, internships, global studies, and other experiential learning opportunities. Positions with primary responsibility for Extension and outreach are likewise committed to learner success through programming appropriate for diverse audiences.

Oregon State University is committed to maintaining and enhancing a collaborative and inclusive community that strives for equity and equal opportunity. All employees of the Department are responsible for helping to ensure that these goals are achieved. In addition, all faculty members will design, develop, maintain and/or carry out Department programs to ensure that all people have equal program participation opportunities. The incumbent will contribute to equity, inclusion, and diversity as part of educational delivery, advising, research, Extension, service, and/or scholarly outcomes. Outputs and impacts of efforts to promote equity, inclusion, and diversity should be included in promotion and tenure dossiers.

This position carries the general and specific responsibilities of a faculty member described in the Faculty Handbook and the promotion and tenure guidelines of Oregon State University. These include effective research, teaching, and/or Extension programs, demonstrable scholarship, and active professional development.

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 country. 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.
- Free confidential mental health and emotional support services, and counseling resources.
- 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

50% Research and Scholarly Activities Expectations of the incumbent include:

- Establishing a nationally recognized research program in Agricultural Water Management.
- Advising and mentoring graduate students, post-doctoral scholars, research technicians, and others involved in your research program.
- Generating scholarly outputs, in the form of peer-review journal articles and other accepted forms of scholarship reflecting your research activities.
- Securing funding, including competitive external grants, to support a robust research program.
- Engaging stakeholders and related partners in community-engaged and applied research.
- Serve as an investigator on a USDA-NIFA Hatch collaborative or Hatch multistate project.

30% Outreach & Engagement Expectations of the incumbent include:

- Providing statewide leadership in developing and delivering education programs related to the AgWater-TAP and connecting land managers to resources to improve on-farm water management. Work with the AgWater-TAP to advance statewide, publicly accessible estimates of evapotranspiration to inform on-farm water management.
- Collaborating with and serving as a resource for stakeholders, agencies, and OSU colleagues around the state to identify, develop, and implement research and educational programs to address critical agricultural water management topics, issues, and/or opportunities for improvement.
- Developing plans of work addressing educational needs and evaluate the impact of educational programs provided to diverse audiences as appropriate including a diversity of perspectives in program content with particular attention to concerns of marginalized individuals/populations. Actively evaluate and communicate the outcomes of program activities and complete

required reports as requested by department, college, and university administrators.

10% Teaching & Advising

Expectations of the incumbent include:

- Developing and delivering 1 course per year at the undergraduate and/or graduate level related to agricultural water management, water quantity and/or water quality, or similar topics. Specific assignments will be developed in collaboration with the BEE Dept. Head based on unit needs and expertise of the incumbent. Modality may include a combination of in-person, hybrid, or ECampus delivery of instruction.

10% Service

Expectations of the incumbent include:

- Advancing their professional discipline through service to professional organizations.
- Providing service to department/academic home, college, and university in consultation with the position supervisor.

What You Will Need

Ph.D. in Agricultural Engineering, Civil Engineering, Environmental/Ecological Engineering, or in a closely related field of engineering, agricultural science, or earth science with expertise in agricultural water management.

Demonstrated ability to effectively communicate both verbally and in writing, and work with colleagues, stakeholders, the general public, policymakers, academics, and/or students.

Strong scientific writing and technical presentation skills.

Demonstrated record of publishing peer-reviewed documents commensurate with career level.

Commitment to promoting and enhancing diversity, equity, and inclusion.

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 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.

What We Would Like You to Have

Demonstrated experience with advanced remote sensing and/or field-based measurements focused on evapotranspiration estimates, soil moisture, crop stress, and/or QA/QC related to field-based observations.

Demonstrated experience in community-based research.

Demonstrated experience with advanced models, tools, and techniques for decision support in agricultural water management applications.

Demonstrated experience working effectively in a multidisciplinary team.

Demonstrated experience with informal education delivery methods and understanding of needs and impact assessment techniques at local and regional

scales.

Demonstrated leadership skills, program management skills, experience directly supervising students and research personnel, and/or track record of acquiring external program funding.

Ability to be licensed as a Professional Engineer in Oregon.

Demonstrated experience working with underrepresented/underserved students or other audiences.

Life experience, education, and/or training that broaden capacity to equalize learner success or impact underserved audiences.

Working Conditions / Work Schedule Travel for field research and presentations. Work may take place in varying field conditions and environments. Evening and/or weekend work may be required for conference travel and research work in the field and laboratory.

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/147946

Posting Detail Information

Posting Number P07630UF

Number of Vacancies 1

Anticipated Appointment Begin Date 09/01/2023

Anticipated Appointment End Date

Posting Date 12/22/2023

Full Consideration Date 01/28/2024

Closing Date 02/25/2024

Indicate how you intend to recruit for this search Competitive / External - open to ALL qualified applicants

Special Instructions to Applicants **To ensure full consideration, applications must be received by January 28, 2024.** 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.

When applying you will be required to attach the following electronic documents:

- 1) A copy of your current Curriculum Vitae;
- 2) A Cover Letter addressing each of the required qualifications and the preferred qualifications listed in this announcement;
- 3) A 1-Page statement of research interest;
- 4) A 1-Page statement on your teaching philosophy;
- 5) A 1-page diversity statement on your commitment to fostering diversity. 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.

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.

For additional information please contact:
Jennifer Cohen
Jennifer.cohen@oregonstate.edu

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.

OSU will conduct a review of the National Sex Offender Public website prior to hire.

OSU is a fair chance employer committed to inclusive hiring. We encourage applications from candidates who bring a wide range of lived experience including involvement with the justice system. This job has “critical or security-sensitive” responsibilities. If you are selected as a finalist, your initial job offer will be contingent upon the results of a job-related pre-employment check (such as a background check, motor vehicle history check, sexual misconduct reference check, etc.). Background check results do not automatically disqualify a candidate. Take a look at our [Background Checks](#) website including the [for candidates](#) section for more details. If you have questions or concerns about the pre-employment check, please contact OSU's Employee and Labor Relations team at employee.relations@oregonstate.edu.

Supplemental Questions

Required fields are indicated with an asterisk (*).

Documents Needed to Apply

Required Documents

1. Cover Letter
2. Curriculum Vitae
3. Statement of Research
4. Statement of Teaching
5. Diversity Statement

Optional Documents

1. VETERANS ONLY: Must provide proof of Veteran Status (DO NOT upload any unrelated documentation - information uploaded to this field will be removed once reviewed)