

**POSTDOCTORAL SCHOLAR JOB ANNOUNCEMENT**  
**OREGON STATE UNIVERSITY**  
**School of Civil and Construction Engineering**  
***ASPHALT MATERIALS AND PAVEMENTS***

The School of Civil and Construction Engineering at Oregon State University (OSU), located in Corvallis, Oregon, is seeking a highly qualified candidate for a postdoctoral scholar position within the OSU Asphalt Materials and Pavements (OSU-AMaP) Research Group.

This is a full-time (1.0 FTE) position focused on the testing and modeling of asphalt materials and pavement structures. The appointment is for 12 months, beginning in April 2026 (with flexibility in the start date), and may be extended based on satisfactory performance and mutual agreement. The position will remain open until filled.

The position is supported by externally funded research projects with state and national transportation agencies.

Applicants must hold a Ph.D. in civil engineering, materials science/engineering, or a closely related field, with demonstrated expertise in asphalt materials testing and characterization.

The successful candidate will work on the following research areas in collaboration with graduate and undergraduate students:

- i) asphalt balanced mix design and related LCCA and LCA processes,
- ii) Emulsified asphalt concrete mixtures,
- iii) Using crack-attenuating mixes to mitigate reflection cracking issues, and
- iv) development of strategies to increase the recycled asphalt pavement (RAP) content in road construction.

In addition to research activities, the postdoctoral scholar will have opportunities to lead or co-lead peer-reviewed journal publications, develop sustainability- and performance-focused research methodologies, contribute to proposal development, and engage with transportation agencies and industry partners on pavement initiatives.

Some recent publications of the research group are provided below for reference:

- Paper#1: Exploring the implementation of Balanced Mix Design (BMD) in Oregon, United States: a case study, <https://doi.org/10.1080/10298436.2025.2612226>
- Paper#2: Integrating balanced mix design for high reclaimed asphalt pavements in Oregon: adjustment in binder content and binder grade <https://doi.org/10.1080/10298436.2025.2508342>
- Paper#3: Benchmarking the performance of asphalt mixtures for the implementation of Balanced Mix Design (BMD) in Oregon <https://doi.org/10.1080/10298436.2025.2489760>
- Paper#4: Strategies to construct durable longitudinal joints in asphalt pavements: laboratory and field investigations <https://doi.org/10.1080/14680629.2025.2555476>
- Paper#5: Assessment of aggregate-binder adhesion through field-applicable modified sweep, Vialit, and pull-off tests, <https://doi.org/10.1016/j.conbuildmat.2025.142495>

For additional information about the activities in our research group, please visit:  
<http://research.engr.oregonstate.edu/coleri/home>

If you meet the aforementioned requirements, please email the following documents in a single PDF file (Word documents will not be opened) to the contact listed below.



The subject line of your email should contain the following text: "OSU-AMaP – Asphalt Materials - Post-doctoral scholar application (your last name)."

- A detailed CV
- A one-page statement describing your background and how you fit the advertised position
- A one-page statement reflecting your opinions regarding the strategic issues in pavement engineering today
- Contact information for three references

Please note that only qualified candidates with the required expertise will be contacted.

**Contact:**

Erdem Coleri, Ph.D., Professor

Director of OSU-Asphalt Materials and Pavements (AMaP) Laboratory

School of Civil and Construction Engineering, Oregon State University

308 Owen Hall, Corvallis, Oregon 97331; Phone: 541-737-0944 Fax: 541-737-3052

Email: [colerie@oregonstate.edu](mailto:colerie@oregonstate.edu) Website: <http://research.engr.oregonstate.edu/coleri/home>