

Research Associate
The University of Western Australia

Direct Link: <https://www.AcademicKeys.com/r?job=228864>

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Posted Jan. 16, 2024, set to expire May 19, 2024

Job Title Research Associate
Department School of Engineering
<https://www.uwa.edu.au/schools/engineering>
Institution The University of Western Australia
Perth, Western Australia, Australia

Date Posted Jan. 16, 2024

Application Feb. 18, 2024

Deadline

Position Available immediately

Start Date

Job Research Scientist/Associate
Categories

Academic Structural Engineering
Field(s)
Engineering - Other

Apply <http://external.jobs.uwa.edu.au/cw/en/job/515847?lApplicationSubSourceID=>
Online Here

Apply By
Email

Job
Description

[School of Engineering](#)

- Level A, full-time appointment on a fixed term basis for 4 years

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- Base salary range: \$76,686 – \$103,202 p.a. plus 17% superannuation

The University of Western Australia (UWA) is ranked among the top 100 universities in the world and a member of the prestigious Australian Group of Eight research intensive universities. With a strong research track record, vibrant campus and working environments, supported by the freedom to innovate and inspire, there is no better time to join Western Australia's top university.

About the team

The School of Engineering is renowned for its award-winning researchers, teachers, and facilities. It is a multidisciplinary school offering education and research in several engineering disciplines, including automation and robotics, biomedical, civil, environmental, mining, chemical, mechanical, electrical, and electronic and engineering. UWA ranks in the world's top universities, as measured by key independent rankings, including QS World University Rankings for Mineral & Mining Engineering (7th) and Civil Engineering (top 100); and Shanghai Rankings for Mineral & Mining Engineering (4th) and Environmental Science and Engineering (21st).

About the opportunity

The appointee will be expected to undertake research on materials properties testing, steel tubes structural testing, ultrasonic testing of joints, experimentally and numerically study of steel tubular joints with structural health monitoring in air and under water, resin systems testing for bonding to metallic, in-field repairs and structural integrity assessment, and acceptance criterion and in-service inspection development. You will be expected work with the project team to target this research towards the objectives and outcomes of the project.

To be considered for this role, you will demonstrate:

- PhD in structural engineering, ideally with a specialisation in steel structures or rehabilitation and strengthening techniques or structural health monitoring
- Demonstrated commitment in participating in high quality research evidenced by peer-reviewed journal articles published in respected scholarly journals
- Experience in Adhesion Science
- Experience in Structural health monitoring – sensor selection, sensor placement, system setup, data analysis. (ie. Integration and implementation of systems)
- Experience in code of practice development for structures (ISO and AS)
- Experience in corrosion and accelerated life testing
- Experience in structural systems, design and repairs, including experience with and knowledge of Australian Standards and International Codes of Practice

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- Experience in numerical modelling for the materials and the structural behaviour

About your application

Full details of the position's responsibilities and the selection criteria are outlined in the position description:  [Position Description - Research Associate \(Level A\).pdf](#)

The content of your Resume and Cover Letter should demonstrate how you meet the selection criteria.

Closing date: 11:55 PM AWST on Sunday, 18 February 2024

To learn more about this opportunity, please contact Associate Professor Farhad Aslani on (08) 6488 9111 or at farhad.aslani@uwa.edu.au

This position is open to international applicants.

Application Details: Please apply online via the Apply Now button.

EEO/AA Policy

Our commitment to inclusion and diversity

UWA is committed to a diverse workforce and an equitable and inclusive workplace. We celebrate difference and believe diversity is fundamental to achieving our goals as a globally recognised Top 100 educational and research institution. We are committed to creating a safe work environment for Aboriginal and Torres Strait Islander people, women, people from culturally and linguistically diverse backgrounds, the LGBTIQ+ community and people living with disability.

- We have a globally competitive, gender neutral parental leave policy with 26 weeks paid leave after 12 months service and 36 weeks after 5 years.
- We have on-campus childcare facilities for children aged 6 weeks to kindy.
- We facilitate flexible working, with part-time and job-sharing arrangements considered.
- We have an ongoing partnership with Pride in Diversity and were recently awarded a Bronze Employer status for LGBTIQ+ inclusion.

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- We have Athena SWAN Bronze accreditation and actively work to improve gender equity.

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Should you have any queries relating to your application, please contact the individual named in the advertisement. Alternatively, contact the Talent team at talent-hr@uwa.edu.au with details of your query. To enable a quick response, please include the 6-digit job reference number and a member of the team will respond to your enquiry.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Farhad Aslani
School of Engineering
The University of Western Australia
Perth, Western Australia
Australia

Phone Number +61 (08) 6488 9111

Contact E-mail farhad.aslani@uwa.edu.au