

<b>Position Title</b>	Lecturer in Structural Engineering
<b>Classification</b>	Level B (Teaching and Research)
<b>School/Division</b>	Engineering
<b>Centre/Section</b>	Department of Civil, Environmental and Mining
<b>Supervisor Title</b>	Associate Professor
<b>Supervisor Position Number</b>	SR 314530
<b>Position Number</b>	SR

### **Your work area**

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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 (21<sup>st</sup>).

### **Reporting structure**

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Reports to: Head of Department

### **Your role**

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You will coordinate undergraduate and postgraduate teaching and develop research relevant to structural engineering.

The successful candidate will conduct high quality and high impact research that complements existing research in structural engineering. As a passionate advocate for teaching excellence the successful candidate will develop and deliver undergraduate and masters curricula with a focus on structural engineering.

### **Your key responsibilities**

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#### **Contributes to outstanding teaching and learning outcomes**

- Contribute to world-class teaching in the degree programs of the Department at both Undergraduate and Postgraduate levels; undertake administrative duties as required
- Contribute to developing undergraduate and postgraduate education policy and curricula to ensure an excellent student experience
- Provide high quality supervision of Honours, Masters and PhD students and research projects
- Contribute and commit to high quality teaching, and unit coordination
- Attract and recruit quality postgraduate students and postdoctoral research fellows

- Design and implement best practice assessment of student learning outcomes and participate in assessment panels

#### **Contributes to research outcomes within discipline or area of expertise**

- Join or develop a research team to initiate research in local, national and international arenas
- Undertake independent and collaborative research to generate research outputs of high impact
- Communicate research findings through scientific publications, reports, meetings and teaching
- Engage with a network of contacts with local, national and international universities for the purposes of research collaboration and the enhancement of the reputation of the School and the University
- Enhance the reputation of the School and the University by producing publications in highly ranked peer reviewed journals of international standing
- Either as an individual or as part of a team, play a role in bids for major research funding from national and international competitive funding agencies, industry and government partners
- Actively seek and attract funding for education research

#### **Service and Engagement**

- Contribute to the governance and collegial life within the School, across the Faculty and University and more broadly outside the institution
- Work within the legislative requirements of the University and support the University's commitment to inclusion and diversity.
- Represent the University of Western Australia through involvement in professional associations, conferences, non-academic (e.g. government, not-for-profit, industry) partnerships, and other external activities.
- Maintain current knowledge of standards of practice and required student assessment procedures and ensure these are completed to required standard and time frame
- Contribute to team activities such as team and school meetings, strategic planning and program development
- Undertake administrative duties as required in relation to the above teaching and research supervision.
- Perform other duties as directed by the Head of Department and the Discipline Chair.

### **Your specific work capabilities (selection criteria)**

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#### **Qualifications and / or certifications**

- PhD in structural engineering, ideally with a specialisation in steel structures or steel-concrete composite structures.

#### **Teaching and learning**

- Demonstrated ability to deliver innovative teaching approaches, assessment and materials for units and courses, particularly in structural engineering
- Demonstrated commitment to inclusive teaching practices to extend equality of opportunity for all learners

#### **Research**

- A demonstrable track record in excellence in research evidenced by peer-reviewed journal articles published in high quality journals relative to opportunity
- A demonstrable emerging track record of successful competitive funding application

- Demonstrate evidence of successful supervision or co-supervision of HDR students, relative to opportunity

**Service/ Engagement**

- Demonstrable experience of participation in education/research leadership in public engagements that promote research and/or education outcome, government and industry
- Demonstrated ability to relate well to staff and students at all levels and evidence of a commitment to equity and diversity principles
- Demonstrated ability to positively contribute to team, school and wider University activities such as team and school meetings, strategic planning and program development.

**Position specific capabilities**

- *Experience in structural systems and design, including experience with and knowledge of Australian Standards including AS 4100, AS 3600, AS/NZS 2327, and AS 5100.*
- *Experience in numerical modelling for the materials and the structural behaviour.*

**Compliance**

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Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

The University's Code of Conduct [Code of Ethics and Code of Conduct](#)

Inclusion and Diversity [web.uwa.edu.au/inclusion-diversity](http://web.uwa.edu.au/inclusion-diversity)

Safety, health and wellbeing [Safety and Health Policy](#)