

POSITION STATEMENT ACADEMIC STAFF

UTS:HUMAN RESOURCES

POSITION: Associate Professor or Professor in Civil Engineering

SCHOOL: School of Civil and Environmental Engineering

FACULTY: Faculty of Engineering and Information Technology

SUPERVISOR: Professor Daichao Sheng, Head of School

POSITION PURPOSE:

This role will provide academic, research and professional leadership, develop and lead research and industry engagement activities, and deliver teaching in the specialist areas of Civil Engineering, at both undergraduate and postgraduate levels. This role will lead the continuing development of Civil Engineering and Centre for Built and Infrastructure in the School.

DUTIES OF THE POSITION:

TEACHING AND LEARNING / EDUCATIONAL DEVELOPMENT

- To lead curriculum review and development incorporating collaborative and innovative teaching and learning activities to existing and new subjects within the discipline in accordance with current and future professional practice
- To actively engage in the teaching and coordination of undergraduate and postgraduate subjects in the relevant discipline
- To supervise students at both undergraduate and postgraduate levels
- To contribute to the overall course development and teaching of all discipline areas in the School through team teaching and course reviews
- To participate in personal development activities in teaching and learning
- Support the development and enhancement of the Faculty's visibility and image as one of Australia's leading providers of higher education, continuing professional development and research output.

RESEARCH AND SCHOLARSHIP

- To take a leadership role in research and scholarship activities in the specialist area as well as to engage in team building and mentoring to enhance the research profiles of the School/Faculty
- To actively apply and secure research funding including national competitive grants and industrial grants
- To conduct research and produce high quality and high impact outcomes, such as high quality journal publications, patents and industry standards
- Supervise research students of the School and ensuring their high-quality research achievements and successful on-time completion
- Train, mentor and develop high calibre and work-ready graduates and researchers.
- Build international collaborations and networking with world-renowned experts.
- To actively initiate and maintain collaborative research with colleagues in the School, and with other institutions nationally and internationally

ADMINISTRATION, MANAGEMENT AND LEADERSHIP

- To actively participate in the management of the School in relation to teaching and research by developing effective and collegial working relationships within the school and the Faculty
- To contribute to the implementation of quality assurance procedures for teaching and learning and research activities
- To take part in the Work Plan and Performance review processes of the University
- To develop and promote the School's relations with professional, government and industry bodies and contribute to their activities
- To undertake when required a management role within the School and to supervise other academic and sessional staff
- To contribute to the activities of the relevant University, Faculty and School committees

CONSULTING / EXTERNAL ACTIVITIES

- To represent Civil Engineering disciplines in the wider community
- To actively seek industry funded research and consulting projects
- To make a significant contribution to entrepreneurial work in the University's interest

LEADERSHIP CAPABILITIES

Pipeline					
Category	Leading Strategically	Collaborating and Engaging	Leading Teams	Presence and Awareness	Leading Performance
Capabilities	Thinks Strategically	Leads with Political Awareness	Manages Vision and Purpose	Leads with Ethics and Integrity	Demonstrates Business Acumen
	Leads Innovation	Demonstrates Courage	Motivates Others	Leads with Perception and Composure	Focuses on Client

OTHER RESPONSIBILITIES

- To comply with the requirements of UTS Health and Safety policy which is accessible at: <http://www.gsu.uts.edu.au/policies/health-safety-policy.html>
- To undertake special projects, which will benefit the academic work of UTS as directed by the Head of School

KEY SELECTION CRITERIA ACADEMIC STAFF

UTS:HUMAN RESOURCES

POSITION: Associate Professor or Professor in Civil Engineering

FACULTY/SCHOOL/DEPARTMENT/UNIT: School of Civil and Environmental Engineering
Faculty of Engineering and Information Technology

Skills and Attributes

- Demonstrated high level capacity and skills in developing and delivering subjects for both undergraduate and postgraduate degree courses in Civil Engineering
- Excellent written and oral communication skills
- Commitment to quality and innovation in teaching and learning
- Demonstrated capacity of successful supervision of projects and PhD students
- Excellent publication record in top-tier international journals
- Demonstrated capacity in attracting significant national competitive funding and industrial funding
- Strong collaboration/partnerships with industry and other academic institutions
- Demonstrated understanding of, and incorporation into academic life the principles of Equal Employment Opportunity and Affirmative Action
- Strong research and academic leadership skills and demonstrated team building skills
- Demonstrated high level of international and professional recognition, profile and reputation

Knowledge

- Familiarity with relevant industry practices and computer software in the respective discipline in Civil Engineering
- Demonstrated knowledge of recent advances in the design in civil engineering
- An appreciation of the diversity of international and national Civil Engineering practice

Qualifications

- A PhD degree in Civil Engineering such as Structural Engineering, Geotechnical Engineering, Construction, Transportation Engineering or closely related disciplines

Experience required

Essential

- Experience and track record in research with demonstrated outcomes that include research publications, grants and research supervision
- Successful teaching and course development experience in one or more of the School's disciplines
- Experience in the supervision of undergraduate and postgraduate project students especially PhD students
- Design and/or consulting experience in the relevant discipline of Civil Engineering
- Experience in leading large research or industrial projects and research teams to success

Desirable



- Significant entrepreneurial experience and industry networking in the relevant discipline of Civil Engineering
- Excellent track record in research impact and outcomes, including contributions to industry standards and technology innovations
- Track record in successfully leading large research programs like ARC Research Hub, CRC or ARC Centre of Excellence