

Position Description – Professor, Environmental Engineering

Position Details

Position Title:	Professor in Environmental Engineering
Position Number:	50057356
Portfolio:	College of Science, Engineering and Health
School:	School of Civil, Environmental and Chemical Engineering
Campus Location:	Based at the City Campus, but may be required to work and/or be based at other campuses of the University.
Classification:	Academic E (Salary Schedule: http://www.rmit.edu.au/browse:ID=ewhltt73t01)
Employment Type:	Continuing
Time Fraction:	1.0

RMIT University

RMIT is a global university of technology and design, focused on creating solutions that transform the future for the benefit of people and their environments. We are global in attitude, action and presence; urban in orientation and creativity; and connected through active partnerships with professions, industries and organisations.

RMIT University enjoys an international reputation for excellence in professional and practical educational programs and high quality outcome-oriented research.

One of Australia's original educational institutions founded in 1887, RMIT is now the nation's largest tertiary institution. The University offers an extensive range of postgraduate, undergraduate and vocational programs

RMIT has three Melbourne campuses – in the central business district and in Brunswick and Bundoora in the city's northern suburbs - campuses in Hanoi and Ho Chi Minh City in Vietnam and a site in Barcelona, Spain. With significant partnerships in Hong Kong, China, Indonesia, Malaysia and Singapore, RMIT has a strong educational presence in the Asia-Pacific region. The University's total student population of 82,000 includes 30,000 international students (onshore and offshore).

RMIT is a leader in technology, design, global business, communication, global communities, health solutions and urban sustainable futures. It is ranked in the top 150 universities in the world for engineering, computer science and information systems, economics, communication and media studies, accounting and finance and education in the 2013 QS World University Rankings and 10th in Australia.

www.rmit.edu.au

College of Science, Engineering and Health

The College comprises 10 Schools delivering a broad range of programs in Science, Engineering and Health at Apprenticeship, Certificate, Bachelor, Masters and PhD levels. Many programs articulate between TAFE and Higher Education, creating pathways for further study.

There is a vibrant research community attracting funding from a range of government and industry sources. The College has an annual budget of approximately \$209 million and employs over 1,000 staff providing on and offshore programs to approximately 20,000 students.

Details relating to the School/College Office may be found on at: www.rmit.edu.au/seh

School of Civil, Environmental and Chemical Engineering

The School has more than 1442 students enrolled in undergraduate programs leading to degrees in Civil & Infrastructure Engineering, Civil & Infrastructure Engineering/Business Management, Environmental Engineering, Chemical Engineering, Chemical Engineering/Business Management, Chemical Engineering/Biotechnology, Chemical/Food and Nutrition, Chemical/Applied chemistry, Chemical Engineering/Biomedical Science (Pharmaceutical Science) and Certificate, Diploma or Masters in Sustainable Practice, Masters of Engineering (Structures and Forensics).

There are over 90 post graduate students enrolled in research programs. The postgraduate research programs cover Masters of Engineering and Doctor of Philosophy in a range of new and developing fields. Much of the research activity is linked with industry with a broad range of research interests generally under the themes of Water Engineering, Civil and Infrastructure Engineering, Environmental Engineering, Chemical Engineering, Rheology and Materials Processing Centre.

The staff of the School are fully involved in a wide range of teaching, research, consulting and community service activities, both within the University, locally and internationally through professional organisations, learned societies, industry and commerce.

Details relating to the School can be found at <http://www.rmit.edu.au/civilenvirochemeng>

Position Summary

The Professor will lead and develop the discipline of Environmental Engineering within the School of Civil, Environmental and Chemical Engineering. S/he will undertake a teaching, research and consulting role within the Environmental Engineering discipline. S/he will assist with development and maintenance of a high-quality learning environment for students as well as to deliver high quality teaching materials and activities; to facilitate and nurture the development of a world-class research culture and in doing so, to foster other academics to develop their research strengths. S/he will undertake research activities in line with the University's research strategy that emphasises relevant and applied research. The incumbent will make independent and original contributions to research that will have an impact in areas of environmental engineering such as water and waste management, land contamination, resource management.

The Professor will work collaboratively and collegially with academics and senior management within the School and other RMIT schools and research institutes and will have an important research leadership role in embedding their teaching and research expertise into the life of Schools. The incumbent will be expected to engage in high quality research projects, to attract research funding, to produce high quality outputs, and make an outstanding contribution to leadership in scholarly research and the professional activities of the School. The appointee will be required to undertake both undergraduate and postgraduate teaching duties and staff management as directed by the Head of School.

Reporting Line

Reports to: Head of School, School of Civil, Environmental and Chemical Engineering

Direct reports: Environmental Engineering academic and technical staff and own research group

Organizational Accountabilities

RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

Appointees are accountable for completing training on these matters and ensuring their knowledge, and the knowledge of their staff, is up to date.

Key Accountabilities

1. Contribute to the academic and professional leadership of the School by participating in planning, development and implementation of an academic strategy within the Discipline, including teaching and learning, research and development and commercial work.
2. Deliver current and relevant teaching material through a process of continual review and evaluation while maintaining consistency with the teaching and learning strategy and research plans of the Discipline, School and University.
3. Lead and manage high quality research involving design and development of projects in the field of environmental engineering, focused on agreed strategic priorities.
4. Maintain an outstanding profile of research outputs through attracting national competitive, client-oriented and international competitive research funding to support research activities and publication in leading international journals.
5. Successfully manage research activities and milestones by ensuring progress reviews for RMIT and industry partners are completed to the required level within agreed timeframes and budget restraints. Regularly disseminate research outcomes and communicate with other team members, clients and the broader research community internal and external to RMIT University.
6. Maintain close interaction with industry, government and professional bodies, locally and internationally, to ensure that the research, teaching programs and learning activities in the Discipline are recognized nationally and internationally.
7. Develop and build collegiality through active interactions and participation in events, forums, workshops in the School, College and broader research community of the University.
8. Undertake administrative duties as required.
9. To assume joint responsibility for career development by actively participating in various activities and producing a jointly agreed development plan.
10. Other duties as directed by the Head of School.

Key Selection Criteria

1. Proven ability to lead and manage an academic unit, to establish an environment that encourages excellence in teaching and learning and research;
2. Demonstrated high level of interpersonal, communication and negotiating skills including the ability to consult with senior executives, external bodies, to produce executive reports, negotiate agree directions, outcomes and targets within the School and College;
3. Demonstrated teaching excellence in core environmental engineering undergraduate and postgraduate courses;
4. Extensive experience in the supervision of undergraduate and postgraduate students undertaking projects and research degrees;
5. Demonstrated excellence in planning, developing, implementing and reviewing strategic projects in a complex environment, providing creative solutions and seeing them through to completion, on time and within budget;
6. Significant experience, knowledge, and leadership in research in environmental engineering, in a field such as water, waste management, land contamination, resource management;
7. Demonstrated record of high quality research outputs resulting in completion of higher degree research students and publications in high quality international journals;
8. Demonstrated ability to acquire competitive significant national and international research grants and contracts with industry to conduct fundamental and applied research.

Qualifications

Mandatory: Bachelor degree in Civil, Environmental, Geotechnical or Chemical Engineering, PhD in relevant field.
Research field in Environmental Engineering (such as water, geological hazards, waste management and land contamination, resource management)
Membership of the Professoriate (D or E)
Experience in management of an Academic unit/department

Endorsed:	Signature: Name: Professor Chun Qing Li Title: Head of School School of Civil, Environmental and Chemical Engineering Date: 2/5/14	Approved:	Signature: Name: Professor Peter Coloe Title: PVC (SEH) Date: 2/5/14
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