Position Description – Lecturer/Senior Lecturer in Chemical Engineering

Position Details

Position Title: Lecturer/Senior Lecturer in Chemical Engineering

Position Number: 50056390

College: Science Engineering and Health

School/Group: School of Civil, Environmental & 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 Level B/C
Salary Schedule: http://www.rmit.edu.au/browse;ID=ewhtlt73t01

Employment Type: Continuing
http://www.rmit.edu.au/pc/appointments

Time Fraction: 1.0 (Full-Time)

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/School

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

The School has over 1422 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 Engineering/Food and Nutrition, Chemical Engineering/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 91 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, and Rheology and Materials Processing.

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 position is to make a significant contribution to the delivery of Chemical Engineering program, and to be actively involved in research, consulting and other professional activities. The applicant should have demonstrated expertise and experience in one of the areas of water, rheology, food, minerals and multiphase flow.

Reporting Line

Reports to the Deputy Head, Chemical Engineering

Organisational 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. With the guidance of more senior staff, develop, promote and deliver high quality Chemical Engineering courses which address the desired graduate attributes of RMIT by practising sound teaching, quality assurance measures, and maintaining an effective understanding of national needs and opportunities.

2. Participate in a research team and conduct a program of personal research and development, which yields measurable outcomes such as publications, HDR completions and external funding both government and industry.

3. Participate effectively in industry-linked and non-industry linked project activities.

4. Contribute to the School's earnings through leadership of contract research and development, consulting and training for industry and government bodies, both nationally and internationally.

5. Keep abreast of international research trends and outcomes, which make significant contributions to the advancement of Chemical Engineering knowledge and its applications.

6. Maintain contact with relevant schools of the University and other institutions and liaise actively with industry and government.

7. Assist in the development of strategic directions for the Chemical Engineering discipline.

8. Prepare and deliver lectures, tutorials, practical classes and demonstrations using innovative, flexible and stimulating course materials for students undertaking undergraduate and postgraduate coursework programs.

9. Successful supervision of Masters and PhD research degree students.

10. Carry out academic administration activities of the School such as undergraduate selection, year coordination and course co-ordination.

11. Promote self-development through personal research and teaching and learning contributions.

12. Other duties as directed by the Deputy Head and Head of School.

Key Selection Criteria

1. Demonstrated expertise and experience in one of the following areas of water, rheology, food, minerals and multiphase flow.

2. Demonstrated ability to prepare and effectively deliver engineering educational programs with the ability to produce high quality teaching material at tertiary level. Ability to develop innovative approaches to course delivery and student-centered learning that successfully exploits new technologies, with a commitment to continuous quality improvement through ongoing training and development.

3. Have a strong research track record evidenced by publications, development of new research initiatives, competitive research funding, and building industry links - with demonstrated capacity to undertake independent research which will contribute to existing research areas of the Discipline and the School.

4. Excellent interpersonal and communication skills appropriate for interacting with students, staff and industry, together with a strong commitment to teamwork and multidisciplinary collaboration.

5. Evidence of ability to carry out academic administration to deliver full academic responsibilities in the coordination of an award program or year or course, and undergraduate selection.

6. Capacity for strategic planning, creative thinking and critical analysis.

7. Ability to supervise Masters and PhD research degree programs.

8. Ability to generate external funding for research projects through effective liaison with industry and Government agencies.

Qualifications

- **Mandatory:** Bachelor degree in Chemical Engineering and PhD in relevant field such as Chemical Engineering.
- **Preferred:** Graduate Certificate in Tertiary Teaching and Learning (if the appointed candidate does not hold this qualification or equivalent, they will be supported to complete this qualification as a requirement to fulfil their probation).

Endorsed:	Signature: Name: Dr. Raj Parthasarathy Title: Associate Professor (Chemical Engineering) Date: 26/03/2014	**Approved:**	Signature: Name: Prof Chun-Qing Li Title: Head of School Date: 26/03/2014