

Information for Candidates

Mitsubishi Chair in Sustainable Mining Practices

School of Mining Engineering, UNSW Engineering



Never Stand Still

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Message from the President and Vice-Chancellor

Welcome to UNSW Australia, one of the country's leading research and teaching universities.

UNSW was established in 1949 to teach and conduct leading research in scientific and technological disciplines. UNSW is distinctive in that it is the only Australian research intensive university established with this unique focus, modelled on universities such as MIT in the USA and European technical universities.

Foundation disciplines in engineering, science and the built environment were followed by professional disciplines, the humanities and social sciences, business, medicine, law and fine arts. UNSW is extremely focused, with eight faculties in Sydney, and similar discipline offerings at UNSW Canberra at the Australian Defence Force Academy.

UNSW has been described as one of the heavyweights of Australian higher education, offering an intense, rich tertiary experience. We have a proud tradition of excellence in learning and teaching, having been regularly ranked as the top university in Australia.

UNSW has strong connections with business, industry, government and the community These are underpinned by a research culture reflected in high levels of research funding and achievement. Many of our best teachers are also outstanding researchers, so students at UNSW learn not only the latest concepts and facts but also the flexible, evaluative and adaptive methods that underpin the research process.

Many UNSW graduates have become leaders in government, business, research, and industry in Australia and overseas. Our research benefits society socially, economically, artistically and culturally. We work closely with the professions and through health care, engineering, science, the law, management and business, architecture and the arts and social sciences, UNSW influences society at the local, national, regional, and international levels.

UNSW is Australia's most cosmopolitan university. Our Australian students come from diverse backgrounds, many being first in their family to university. We are also Australia's first international university, enrolling significant numbers of international students since 1951, with more than 120 countries now represented. UNSW maintains ongoing relationships with over 200 universities worldwide. We offer opportunities for study in Asia, North America and Europe through one of Australia's largest international exchange programs.

UNSW never stands still. In the words of our longest serving Chancellor, the late Gordon Samuels, our transformation since 1949 was achieved "very much under the ordinary time for the course"... UNSW is "the epitome of the hungry fighter seeking success and recognition".

Professor Fred Hilmer AO

President & Vice-Chancellor

Innovation, technology and creativity are at the heart of who we are

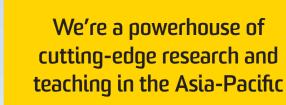
UNSW Australia Overview

UNSW is celebrating 65 years of never standing still. We were established in 1949 to teach and conduct research in scientific, technological and professional disciplines.

Today we have in excess of 55,000 students and have remained true to our focus on practical application and impact. Our alumni total over 250,000 people spread across the globe, many of whom were international students and have taken their skills and aspirations back to their own countries.

UNSW attracts not only the highest quality students but also welcomes champions from all areas of business and industry. International guest speakers include Bill Gates, Microsoft founder and co-chair of the Bill and Melinda Gates Foundation; former East Timor President Jose Ramos-Horta; environmentalist Dr David Suzuki; linguist and activist Noam Chomsky; Virgin founder Sir Richard Branson and Northern Ireland leader Gerry Adams.

The University is engaged in five strategic university networks: The Association of Pacific Rim Universities; Global Tech; Universitas 21, Coursera and the Australian Group of Eight.



UNSW has a broad disciplinary base, with Faculties of Arts and Social Sciences; Built Environment; Engineering; Law; Medicine and Science, as well as the College of Fine Arts, UNSW Canberra and the Australian School of Business.

UNSW is host to ground breaking research in fields as diverse as quantum computing, molecular engineering, photovoltaics, robotics, biomedical research, financial markets, design and interactive cinema. It has strong collaborative links with industry and business, consistently performing at the top nationally in Australian Research Council Industry Linkage Grants. UNSW expertise is also regularly sought after by business and government for a wide range of consultancy and training services.

UNSW has identified environmental sustainability as one of its strategic priorities. In 2007 it established the UNSW Climate Change Research Centre – bringing together more than 60 researchers from various disciplines across the University, the largest centre of its kind. UNSW also walks the talk in sustainability on campus with dedicated programs aimed at reducing traditional energy sources and embedding sustainability into all aspects of University life.

UNSW has almost 100 research. teaching program and community centres. Its research centres foster multidisciplinary research and include national centres such as the Kirby Institute, ARC Centres of Excellence such as the Centre for Advanced Silicon Photovoltaics and Photonics, and UNSW centres such as Brain Sciences UNSW, Also opened recently was the Lowy Centre for Cancer Researchthe largest integrated cancer research institute in the Southern Hemisphere.

The University is a member of 15 Cooperative Research Centres and is affiliated with a number of prestigious medical research institutes, including the Garvan Institute of Medical Research and the Victor Chang Cardiac Research Institute.

We develop leaders who shape the future

UNSW boasts the largest number of millionaire alumni than any other university in Australia*

(Spear's WealthInsight 2014) UNSW has produced more technology entrepreneurs in the past 15 years than any other Australian university.

*(CrunchBase 2013)

UNSW undergraduates and postgraduates earn the highest median starting salary of any university in NSW*

(Australian Graduate Survey 2012) More of Australia's top CEOs who lead ASX200 companies studied at UNSW than any other university.

*(Leading Company 2012)

UNSW attracts talented students from across Australia and around the world. Our emphasis on quality continues to push up entry standards – in 2012, 2013 and 2014 we saw record demand from the state's top school leavers. UNSW has the highest median ATAR in NSW of 92.0 and the highest percentage of the state's top 500 school leavers.

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Fast facts

UNSW Engineering



UNSW Strategic Intent

UNSW's aspiration is to be a leading research intensive university in the Asia-Pacific region, focusing on contemporary and social issues through defined strengths in professional and scientific fields – a peer in good standing with the best globally.



Blueprint to beyond

Blueprint to Beyond, the UNSW Strategic Intent, forms the enduring and overarching strategy for the University. We revisit it regularly, fine-tuning our strategies in order to achieve our objectives and fulfil our aspiration.

B2B is a strategy to enhance effectiveness and interdisciplinarity. We seek to minimise the barriers between faculties and disciplines, and between blue sky research and research of more immediate impact. The name B2B captures the idea of the practical application of research, as in "Bench to Bedside" in medicine, or "Bench to Building" in architecture.

The University will achieve its aspiration where students, staff and the community work together, and where the University's capabilities and resources support that aim.

A campus that never stands still

UNSW is in the midst of the most ambitious and transformational campus development of any Australian university. Our vision is to create a vibrant campus that is second to none in the 21st century.

Expenditure of over \$A1.2b has been invested in the last four years in building renewals, student accommodation upgrades, new specialist precincts and student facilities. Additionally the number and quality of retail development has increased dramatically providing students and staff with a greater range of food, entertainment, banking, retail and service outlets.

The Engineering capital development projects across the UNSW campuses include electrical engineering, mechanical and manufacturing engineering, civil engineering and chemical engineering.

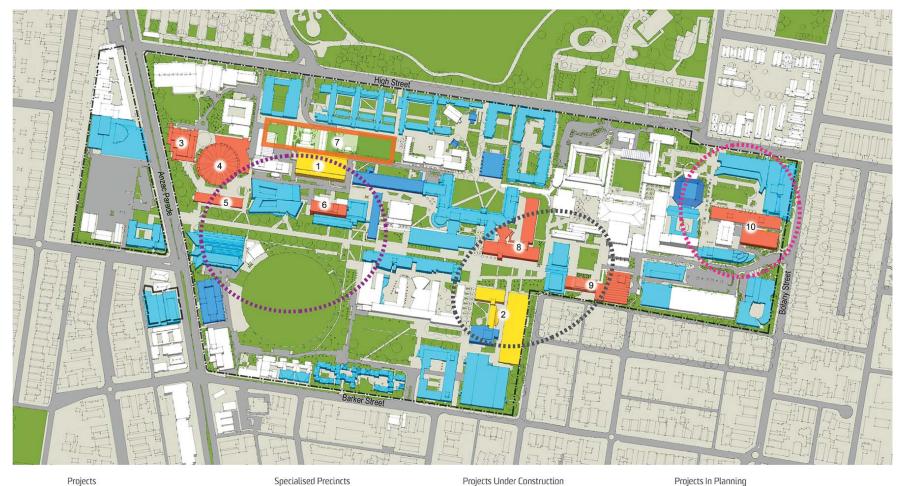
The new \$123.5 million Tyree Energy Technologies Building (TETB) was designed to provide a space where research, education and industry can collaborate to develop and then practically implement sustainable energy technologies. A new 4000 square metre Mechanical and Manufacturing Engineering building is also under construction to create a new identity and visibility for the School.

Student accommodation on the major Kensington campus has doubled over the past four years and now provides 4600 beds including more than 900 opening in 2014.

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Plans are in hand for further developments in the near future to further enhance the student experience and the quality of educational opportunities.

UNSW Australia campus development map





Under Construction

New Buildings Since 1990

Major Refurbishments Since 1990

In Planning

Specialised Precincts

- Bio-Medical
- Engineering

Next Generation Materials, Energy and Technologies

- 1. Materials Science and Engineering 2. Mechanical and Manufacturing Engineering
- Squarehouse Roundhouse Redevelopment 4.

3.

- Blockhouse 5.
- 6. Chemical Sciences 7. Alumni Park

- Electrical Engineering
 Civil Engineering
 Biological Sciences Stages 1 and 2

Values

In pursuit of our aspiration, UNSW values

- 1. Academic freedom
- 2. Leadership
- 3. Innovation, initiative and creativity
- 4. Recognition of merit and excellence
- 5. Integrity and high ethical standards
- 6. Equity, opportunity and diversity
- 7. Mutual respect, collegiality and teamwork
- 8. Professionalism, accountability and transparency
- 9. Safety

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10. Environmental Sustainability

We're trusted partners with industry, government and the community – a catalyst for change committed to making a difference

The President and Vice-Chancellor is the principal executive officer of the University and is responsible for the overall strategic direction of corporate planning, budget activities and external relations. Under the Council, the President and Vice-Chancellor manages and supervises the administrative, financial and other activities of the University. The University's Executive Team, led by the President and Vice-Chancellor comprises: The Vice-President and Deputy Vice-Chancellor (Research); the Vice-President and Deputy Vice-Chancellor (Academic); Vice-President, Finance and Operations; Vice-President, University Services; Vice-President, Advancement; and by invitation the President of the Academic Board.

Executive team and governance



Professor Fred Hilmer AO President and Vice-Chancellor



Mr Jonathan Blakeman Vice-President Finance and Operations



Professor Prem Ramburuth President, Academic Board



Professor lain Martin Vice-President and Deputy Vice-Chancellor (Academic)



Professor Les Field AM Vice-President and Deputy Vice-Chancellor (Research)



Ms Jennie Lang Vice-President Advancement CEO UNSW Foundation



Mr Neil Morris Vice-President University Services

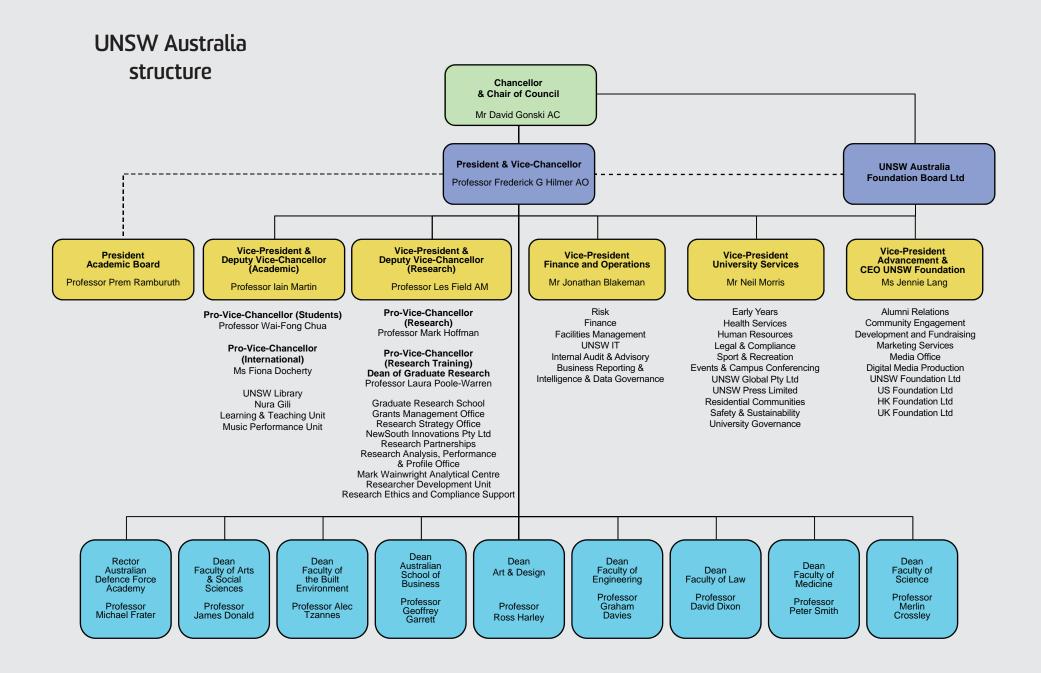


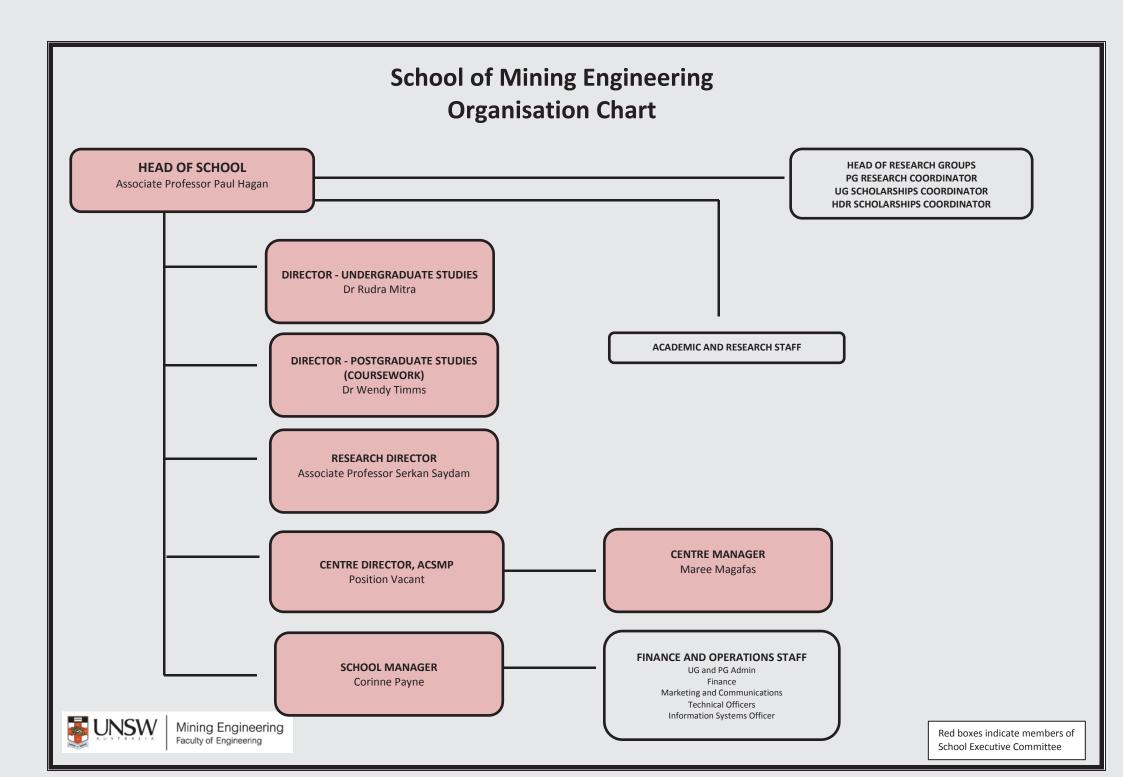
Professor Merlin Crossley* Dean, Faculty of Science



Professor David Dixon* Dean, Faculty of Law

*Current representatives of UNSW Deans on the Executive Team.





Overview of UNSW Mining Engineering

UNSW Engineering is the largest engineering faculty in Australia, with some 10,000 students enrolled in 2014, 3000 of whom are postgraduate and more than 3000 of whom are international.

We have nine diverse schools, covering every facet of engineering from software to space, and from chemical to civil engineering.

Our remit and vision is broad, yet we also have seven key areas in which we direct even more effort to excel: energy, health, water, digital services, infrastructure, manufacturing services and natural resources.

We maintain strong links with the business community, keeping our teaching fresh and relevant, and ensuring students are assisted through industry and Faculty scholarship programs. Our graduates are in high demand, with extremely competitve graduating salaries.

As well as the extensive facilities available at our Kensington campus, we also have a range of other research facilities, including the Water Research Laboratory at Manly Vale and heavy materials testing equipment at Randwick. Strengths of the Faculty include:

- · World-class research facilities and equipment
- Degrees that are highly flexible and transferable
- Practical, industry-relevant courses, with links and opportunities to work with businesses
- Extensive scholarship program
- World-leading centres of excellence and international collaboration on research
- Graduates are highly sought afterinternationally and receive the highest salaries in the GO8
 Relatively high and growing proportion of female engineering students
 - Mindset of entrepreneurialism, with dedicated staff and facilities to mentor, support and bring about the commercialisation of ideas
- Internationally respected, with researchers regularly winning global awards and funding

The School of Mining Engineering at UNSW is one of Australia's leading mining engineering educational providers offering innovating mining education in undergraduate and postgraduate studies. With a strong philosophy in quality research, learning and teaching, our academics are leading the way to develop the next generation of mining engineers for the Australian and International mining sectors.

We collaborate with the other three major mining universities in Australia through a unique national educational partnership - Mining Education Australia (MEA). This initiatives is supported and endorsed by the Minerals Council of Australia (MCA) and contributes to providing over 85% of Australia's annual graduates. The support and close association with MCA ensures both the relevance and high academic standards of the program which delivers "globally-aware" mining engineers with a balanced combination of technical and management skills, together with social, cultural and community awareness.

A key component of our success is working closely with the mining industry. This means strong support from the industry for research, teaching programs, student scholarships and an integrated program of mine site visits. We invite senior industry executives to be a part of the Mining Engineering Industry Advisory Council providing advice and strategic direction for the school's research and education programs.

We are committed to further developing and improving sustainable mining practices through the establishment of a new UNSW research centre - Australian Centre for Sustainable Mining Practices (ACSMP). ACSMP is recognised by both government and industry in Australia and internationally as a leading authority on sustainable mining practices, a provider and developer of innovative educational resources across both tertiary and professional development sectors and an active research organisation focussed on new mining practices, and development and application of technologies and systems for sustainable mining initiatives.

Position description

Mitsubishi Chair in Sustainable Mining Practices

Job Purpose

The Chair will provide academic leadership in all fields of research, teaching, professional practice and industry engagement, with respect to sustainable mining practices across Australia, and internationally. The Chair will also fill the role as Director of the Australian Centre for Sustainable Mining Practices (ACSMP) – which operates within the School of Mining Engineering.

Duties (all with respect to the field of sustainable mining practices)

- Develop and implement strategic planning for ACSMP, interacting within the School of Mining Engineering, and in multi-disciplinary opportunities across and beyond the Faculty of Engineering.
- Develop and manage a prominent, high-calibre research program, including securing high quality competitive research grants and lead a team of research-focussed academics and postgraduate students.
- Fulfil the role as Director of the Australian Centre for Sustainable Mining Practices (ACSMP), including academic, financial and general management responsibilities.
- Provide leadership and direction in content and delivery, for undergraduate and postgraduate teaching/courses.
- Lead the identification and development of new teaching programs, courses and materials.
- Develop close links with the Australian and international mining industries, for identification of research opportunities and partnerships; support needs in education and training; and securing financial commitments towards the above areas of activity.
- Develop national and global networks with other mining sector researchers, educators and collaborating stakeholders.
- Ongoing review and identification of leading practice and priority focus areas and issues affecting sustainability in the mining industry.

Environment

- ACSMP to have a multi-million dollar annual operating budget.
- Academic staff and Post-doc team to be expanded at least 3-4 members.
- Postgraduate research students target of at least 6 students at any one time.
- Multiple undergraduate and postgraduate teaching courses, with the potential for a stand-alone Masters Program within 5 years.

Reporting Relationships

The Chair will report directly to the Head, School of Mining Engineering.

Additional reporting, as Director, ACSMP, will be to the Centre's Management Committee.

Position description (continued)

Principal Accountabilities

- Effective communication amongst UNSW staff, students, and industry stakeholders, including reporting.
- Successful regular attraction of Category 1 and other research income, and delivery of desired outcomes.
- Successful attraction of funding from industry and other sources to sustain and grow ACSMP.
- World class teaching materials and related delivery (i.e. content, structure, delivery).
- Engagement with industry to identify and implement strategic education, training, research and other supporting initiatives.

Minimum Education Required

PhD in Mining Engineering, or a discipline related to sustainable mining practice.

Selection Criteria

Essential

- In-depth understanding of the full range of principles and issues of sustainability, as applied to all sectors of the Australian and international minerals industries.
- Demonstrated practical operational and research experience in field of sustainable mining practices.
- Thorough understanding of the planning and operational issues faced within a large, diverse, modern mining industry sector.
- Excellent inter-personal skills in relation to leadership and teamwork; student supervision; communication at all levels; ability to work with different cultures and communities; and a demonstrated ability to interact with industry, at all levels.
- Proven ability and experience in academic leadership, project management and administration.
- In depth understanding of the opportunities and threats to the mining industry in a carbon-constrained world.
- Commitment and thorough understanding of principles of equal opportunity and equity.

Desirable

- Experience in development and delivery of relevant and innovative educational and training courses.
- Practical working experience within an operating mining industry, with management or leadership responsibilities in fields involving sustainability principles.
- Comprehensive understanding of the global minerals industry and all interdependencies.
- Existing strategic relationships with key industry players across all sectors.
- Track record of high-calibre research achievement, including attracting and delivering on major research grants.

Advertisement



Want to work with a leading Go8 University?

Never Stand Still

FACULTY OF ENGINEERING I School of Mining Engineering

Mitsubishi Chair in Sustainable Mining Practices

Applications are invited for the Mitsubishi Chair in Sustainable Mining Practices. The Chair will provide academic leadership in all fields of teaching, research, professional practice and industry engagement, with respect to sustainable mining practices across Australia and the Asia-Pacific region. As Mitsubishi Chair in Sustainable Mining Practices, you will be an academically qualified, committed and experienced individual with strong management, academic and research credentials in order to:

- Fulfil the role as Director of the Australian Centre for Sustainable Mining Practices (ACSMP), including academic, financial and general management responsibilities.
- Develop and implement strategic planning for ACSMP, interacting within the School of Mining Engineering, and in multi-disciplinary opportunities across and beyond the Faculty of Engineering.
- Develop and manage a prominent, high-calibre research program, including securing high quality competitive research grants and lead a team of research-focussed academics and postgraduate students.
- Provide leadership and direction in content and delivery, for undergraduate and postgraduate teaching/courses.
- Develop close links with the Australian and international mining industries, for identification of research opportunities and partnerships; and securing financial commitments towards these areas of activity.

The remuneration package will be negotiated to reflect the qualifications, skills and experience of the successful appointee. Appropriate relocation assistance will be provided to ensure a smooth transition into the Sydney lifestyle for an interstate/overseas appointee.

To discuss this role in confidence, please contact the Managing Consultant, David Parker of Geddes Parker & Partners in Sydney, Australia on +61 2 9957 4276 or +61 411 170 397 (after hours). Written enquiries and formal applications are to be directed to davidp@gpandp.com.au quoting Ref No: 5648. Applications close: 20 October 2014

For more information, application procedure and other vacancies, visit jobs.unsw.edu.au

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Sydney, a great place to live

It's no secret: Sydney is one of the most liveable cities in the world. Rated the world's safest and friendliest city in the 2013 Anholt-GfK Roper City Brands Index, Sydney is also ranked 9th in Monocle's 2013 Quality of Life Survey, 7th in the ElU's Liveability Ranking and Overview 2013 and equal 10th in the Mercer 2012 Quality of Living Survey.

Climate, culture, sport, beaches, mountains, art, science, architecture, education, entertainment and diversity: Sydney is a most welcoming city for singles, couples and families.

Sydney is one of the world's most multicultural cities with all the benefits of stable government, strong financial backing, an open, extensive, wellattended education system and a highly skilled and educated workforce.

UNSW Kensington campus (main campus) is located in the prestigious Eastern Suburbs and is just 6km from the heart of the city, 2km from Coogee Beach and 8km from Sydney's domestic and international airports.

Come join us in the sun.





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How to apply

Applications

UNSW has engaged the executive search firm Geddes Parker & Partners to assist with this appointment.

Geddes Parker & Partners will support the Selection Panel to identify the widest possible field of qualified candidates and to assist in the assessment of candidates against the requirements for the role.

Applicants should provide a confidential email address and suitable daytime and evening telephone contact details, as well as details of their availability during this period.

Applications close: 20 October 2014

Should you be interested in learning more about this role, please contact;

David Parker Geddes Parker & Partners Phone: (61 2) 9957 4276 Email: davidp@gpanddp.com.au

Ref: 5648

Terms, conditions and benefits of employment

Period of appointment

The Chair will initially be appointed for a five-year term. However, it is the expected that if offered a further term of employment, the incumbent would have the capacity and enthusiasm to accept such an appointment.

Salary and additional benefits

An attractive remuneration package including generous superannuation will be negotiated commensurate with the responsibilities of the role and the experience of the candidate.

Annual Leave

Annual leave of 20 days per year of service can be taken at times as agreed with the Head of School, Mining Engineering of the University. In addition, the University closes for business before Christmas until the New Year each year. The position is located at the Kensington campus.

Relocation

The University will meet all reasonable costs of relocation for the successful candidate and their immediate family from interstate or abroad.

For further information on employment conditions please visit www.hr.unsw.edu.au and www.jobs.unsw.edu.au















