

Position Description

Associate Lecturer/Lecturer/Senior Lecturer Architecture and Computational Design

Position Number: 00056751
Position Title: Associate Lecturer/Lecturer/Senior Lecturer
Date Written: August 2019

Faculty / Division: Faculty of Built Environment
School / Unit: Architecture and Comp. Design
Position Level: A/B/C

ORGANISATIONAL ENVIRONMENT

Our ambition is to establish UNSW as Australia's global university in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought, can make an enormous difference to the lives of people in Australia and around the world.

UNSW has identified three strategic priority areas to meet its goals. Firstly, to pursue a course of action that will result in the achievement of academic excellence in research and education. We are among a limited group of universities worldwide capable of delivering research excellence alongside the highest quality education on a large scale. Secondly, the university continues to develop its passion for social engagement that improves people's lives through advancing social equality, cultural diversity, open debate and economic progress. Thirdly, the university has a commitment to achieving a global impact through sharing our capability in research and education in the highest quality partnerships with institutions in both economically developed and emerging societies. We regard the interplay of academic excellence, social engagement and global impact as the hallmarks of a great forward-looking 21st century university.

To achieve this ambition, we are attracting the very best academic and professional staff to undertake leadership roles in our organisation.

Values in Action: Our UNSW Behaviours

UNSW recognises the role of employees in driving a high-performance culture. The behavioural expectations for UNSW are below. Please refer to the UNSW Behavioural Indicators for the expectations of your career level



Values in Action
Our UNSW Behaviours



Builds
Collaboration



Embraces
Diversity



Displays
Respect



Demonstrates
Excellence



Drives
Innovation

OVERVIEW OF RELEVANT AREA AND POSITION SUMMARY

(i) The role

We seek an academic who aspires to be a central part of threading computational design into architecture and demonstrating its contribution to the evolution of the Built Environment.

The person we seek will bring energy, creativity, agility and an ability to thrive in an ever-increasing interdisciplinary environment. This opening presents an academic with an excellent opportunity to advance their research and teaching skills and develop their leadership skills within a highly regarded interdisciplinary design Faculty, and to foster engagement and collaboration to forge international networks and to make substantial contributions to the academic excellence at UNSW.

- This is a three-year convertible tenure track academic appointment at the relevant level aligned with UNSW Academic standards. The appointee will report to the Head of School at UNSW Built Environment (UNSW BE).
- A successful Level B or C candidate will also be considered for nomination for a UNSW Scientia Fellowship.

Scientia Fellows are appointed on the basis of research excellence. They have an increased research component in their workload for four years and an annual financial contribution to support their research endeavours and development. The UNSW Scientia Fellowship Program is one of the cornerstones of UNSW's 2025 Strategy. A primary goal of the Program is to enhance UNSW's research performance by attracting and retaining exceptional researchers, with outstanding research track records. Career development is a distinctive feature of the Fellowship Program. Its aim is to provide all Fellows with a unique, focussed and supported opportunity to progress their research career whilst at the same time enhancing UNSW's culture of research excellence, through mentoring, leadership and community.

For more information and criteria on the Scientia program please visit

<https://www.scientia.unsw.edu.au/>

(ii) The setting

UNSW BE is one of the largest built environment faculties in Australia and is internationally renowned for its comprehensive range of built environment degree programs and interdisciplinary education. At UNSW BE, the academic focus is on research and education that supports excellence in the planning, design and development of cities and their component parts in the 21st Century. The Faculty's goal is to deliver high impact research and graduates equipped with the knowledge and practical skills required to realise sustainable urban environments of enduring cultural value.

(iii) Architecture and Computational Design

Behind almost every building - from modest to intimate rooms to extraordinary and monumental spaces - lies the disciplined creativity of architecture. An architect designs buildings and their settings to meet the needs of individuals and the community. Architects design buildings and cities through the consideration of sustainability, culture and economy.

Computational design combines architecture, mathematics and computing to imagine, create, fabricate, analyse and deliver design.

Advancements in 3D spatial modelling, analytical and generative applications have created a demand for designers who can use these methods to produce and present technical and aesthetic solutions to the challenges in the built environment.

The appointee will be expected to:

- Research and teach in the Bachelor of Architectural Studies and/or Bachelor of Computational Design programs.
- Bring expertise in the fields of computational design and architectural computing, focussing on spatial and formal analysis, and spatial optimisation and generation and design thinking and possess a capacity to apply these to architecture with a social, cultural or historical lens.
- Have an established research focus (in architectural computing), publication record and grant earning capacity.
- Support and contribute to excellence and innovation in the design and delivery of teaching and learning
- Ensure that programs are designed in accordance with the Program Design Procedure and the principles of the [Integrated Curriculum Framework](#) (ICF).
- Contribute to internal and external activities relating to the administration and development of the discipline.
- Verify continuing compliance with the requirements of the [Higher Education standards framework](#), including programs designed in collaboration with another party or designed to be delivered by an approved UNSW Third party provider.
- Work with fellow academic staff to strengthen the interdisciplinary alliances and activity within the faculty and the broader UNSW community
- Contribute to and lead research projects and achieve a high-level of quality research productivity and to attract and supervise research higher degree students
- Support and contribute to activities that forge and/or sustain relationships with external organisations such as local design practices, the Group of Eight and the PLUS Alliance, Universitas21, and the Association of Pacific Rim Universities.
- Encourage equity and diversity in all aspects of university life.

RESPONSIBILITIES AND EXPECTATIONS

Associate Lecturer Level A

In accordance with UNSW academic performance criteria and UNSW BE faculty workload policy, the appointee at this level will be expected to:

- *Collaborate with others to produce high quality research*, including relevant publications and/or non-traditional research outputs.
- *Undertake high quality teaching at undergraduate and/or postgraduate levels*, including delivery (as course convener) of new and existing courses, marking or assessment, and contribution to positive student experience.
- *Contribute to administration in an academic environment*, including program, school and faculty engagement or service and/or industry and professional roles.
- *Understand equity and diversity principles*.
- *Understand OHS responsibilities and commitment to attending relevant OHS training*. This includes cooperation with all health and safety policies and procedures of the university and taking all reasonable care to ensure that your actions do not impact on the health and safety of yourself or others.

Lecturer Level B

In accordance with UNSW academic performance criteria and UNSW BE faculty workload policy, the appointee at this level will be expected to:

- *Conduct high quality research* including producing international, peer reviewed publications (and/or equivalent non-traditional research outputs) and seek external research funding.
- *Undertake high quality teaching at undergraduate and/or postgraduate levels.* This includes all aspects of the systematic development, improvement and delivery (as course convener) of new and existing courses; contributions to improving the student experience; supervision or management of sessional teaching staff.
- *Collaborate with others to undertake high quality supervision* of honours and/or postgraduate students engaged in course work or research projects.
- *Contribute to administration in an academic environment,* including active engagement in program, faculty and wider university service and/or industry and professional roles and activities.
- *Understand, model and enact equity and diversity principles.*
- *Understand and enact OHS responsibilities and commitment to attending relevant OHS training.* This includes cooperation with all health and safety policies and procedures of the university and taking all reasonable care to ensure that your actions do not impact on the health and safety of yourself or others.

Senior Lecturer Level C

In accordance with UNSW academic performance criteria and UNSW BE faculty workload policy, the appointee at this level will be expected to:

- *Conduct high quality independent research* including producing international, peer reviewed Q1 journal papers, chapters and books (and/or equivalent international, peer reviewed non-traditional research outputs) and attracting external research funding.
- *Undertake high quality teaching at undergraduate and/or postgraduate levels.* This includes all aspects of the systematic development, improvement and delivery (as course convener) of new and existing courses; leading improvements to the student experience; supervision or management of sessional teaching staff across courses or a program; developing new program proposals.
- *Undertake high quality supervision* of honours and/or postgraduate students engaged in course work or research projects and attract high quality research students.
- *Contribute to administration in an academic environment,* including leadership of program, faculty and wider university service and/or industry and professional roles and activities; mentoring staff and senior students.
- Demonstrated capacity to interact successfully with industry/business and/or Professional organisations
- *Understand, model and enact equity and diversity principles.*
- *Understand and enact OHS responsibilities and commitment to attending relevant OHS training.* This includes ensuring hazards and risks are identified and controlled for tasks, projects and activities that pose a health and safety risk within the appointee's areas of responsibility.

SELECTION CRITERIA

For all levels:

- Evidence of effective teaching in the core discipline area/s of the position.
- Evidence of professional or industry experience, networks and partnerships in the core discipline area as appropriate for academic level.
- High level oral, written and interpersonal communication skills and the ability to work effectively as part of a team.
- Ability to deliver a positive student experience through engagement on relevant issues including teaching, assessments and cross-cultural factors.

- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.
- A knowledge of equal opportunity principles

Level A

- Bachelor or Master level Degree (or equivalent) in the core discipline area of the advertised position.
- Record of quality research outputs (publications and equivalent non-traditional research outputs).

Level B

- PhD (or equivalent) focussed in the core discipline area of the position.
- Demonstrated ability in developing and implementing innovative teaching methods.
- Success in conducting quality research as demonstrated by publications in high quality peer-reviewed journals or books (or equivalent non-traditional research outputs).
- Record of developing applications/submissions for competitive external research funding.

Level C

- PhD (or equivalent) focussed in the core discipline area of the position.
- Development, through publications (and/or equivalent non-traditional research outputs) of an international research profile.
- Demonstrated ability and willingness to lead, develop and mentor staff in conducting research.
- Record of securing competitive research funding.
- Demonstrated ability in developing and implementing innovative teaching methods
- Joint or co-supervision of research postgraduate students.

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.