



POSTDOCTORAL RESEARCH FELLOW

DEPARTMENT/UNIT	Department of Architecture
FACULTY/DIVISION	Faculty of Art, Design and Architecture
CLASSIFICATION	Level B
WORK LOCATION	Caulfield campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

In Melbourne, art, design, architecture and planning are leading influences on the city's internationally-recognised cultural dynamism. Within this rich milieu, Monash Art Design & Architecture (MADA) is a vibrant centre of rigorous creative practice integrated with traditional scholarship. MADA advocates the essential role of its disciplines in proposing and developing models for future communities that are culturally enriched and environmentally sustainable.

To learn more about MADA, please visit our website: www.monash.edu/mada.

The **Department of Architecture** is an internationally networked, creative community of practitioners, educators and researchers. Underpinned by MADA's broad philosophical framework and its extensive studio and technical resources, Monash Architecture recognises design as a core activity influencing the built environment. Architecture at MADA is innovative and relevant to contemporary culture and sensitive to regional contexts and seeks to integrate with other disciplines to solve emerging societal challenges.

To this end, in 2018, MADA introduced a Master of Urban Planning & Design (MUPD). The MUPD course expands traditional planning education to include integrative design approaches that can develop the important skills required for planners to meet the future city's cultural, economic and climatic challenges. The course is locally and internationally networked with a broad community of practitioners, educators and researchers, with students drawn from many disciplines and backgrounds.

Monash Urban Lab

The Monash Urban Lab is located in the Department of Architecture at Monash University. The Lab distinguishes itself through its unique integration of practice-based design and urban planning research. Lab research combines multi-scalar architectural design investigations with policy studies focussed on transitioning to sustainable and equitable communities. We draw on our strengths within MADA, across campus, and with Australian and international partners to support applied research solutions to community, government, and industry challenges.

The Lab pursues three integrated research areas which are each underpinned by a commitment to achieving social justice and environmental sustainability:

1. Sustainable and Inclusive Cities

- Housing form and typology integrated with housing policy research
- Suburban intensification that explores strategic infill, suburban retrofit and new suburban typologies.
- Community engagement with a commitment to under-represented constituencies

2. Urban Infrastructure Systems

- Water sensitive urban design and regeneration
- Hybrid natural and built systems
- Re-industrialisation

3. Visualising Urban Futures

- Visioning future urban scenarios
- Urban data analytics
- Critical inquiry around 'smart city' data applications in urban planning and design

The Lab is staffed by academics who are architects, urban designers and urban planners.

POSITION PURPOSE

The Postdoctoral Research Fellow will strive to achieve more inclusive and sustainable cities through applied research, teaching, and engagement. The incumbent will play a key role in the delivery of the CRC for Water Sensitive Cities (CRCWSC): Integrated Research Project (IRP) 3 'Guiding integrated urban and water planning'.

Approximately 80% of the incumbent's time will be allocated to IRP3, where the Research Fellow will lead and collaborate with Urban Lab staff on original research to explore water sensitive urban planning and development outcomes at a range of spatial scales. The researcher will investigate opportunities to facilitate and strengthen integration between urban and water planning processes, and identify planning options to improve the implementation and delivery of water sensitive approaches. The remaining time will be dedicated to participation within the Master of Urban Planning and Design.

Reporting Line: The position reports to the Director, Urban Planning and Design

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budget Responsibilities: Not applicable

KEY RESPONSIBILITIES

1. Contribute to the delivery of CRCWSC project [IRP3](#); including:

- Analysis of the urban and water planning context for Australian case studies
- Review of international best practice in urban planning for embedding water sensitive or sustainable outcomes in urban development
- Identification of relevant planning tools/mechanisms to influence integrated urban and water planning under different scenarios
- Recommendation of strategies to influence broader policy and governance change for the Australian context and for specific case studies

2. Conduct original research that will lead to publications in refereed journals and NTROs (if applicable)

3. Contribute to administrative functions connected with the research and attendance at project team meetings
4. Participate in the delivery of the UPD degree program including the conduct of projects, study units, tutorials, lectures, seminars, workshops, and/or student field excursions

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - A research doctorate or equivalent higher degree in urban planning, urban design, geography, or related discipline and relevant industry experience

Knowledge and Skills

2. A research track record in environmental planning/policy, management, and/or science particularly with a focus on urban water planning evidenced through relevant research grants and refereed publications, project outcomes and professional esteem
3. Demonstrated knowledge of strategic and statutory urban planning, and urban development processes
4. The ability to undertake research independently as part of an inter-disciplinary research team and with industry stakeholders in an action research environment, engaging collegially with other staff in the workplace
5. High level communication skills and ability to represent data in multiple ways to communicate findings to diverse audiences
6. High level organisational skills, with demonstrated capacity to establish and achieve goals and successfully support projects through to completion

OTHER JOB RELATED INFORMATION

- Travel (e.g. to other campuses of the University) may be required
- There may be peak periods of work during which the taking of leave may be restricted

LEGAL COMPLIANCE

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.