### **UQ Architecture** 2019 A Year In Studio





Welcome to Hand Over, the School of Architecture's 2019 graduate exhibition.

This student-led showcase celebrates two significant milestones in a life in architecture. The 2019 Bachelor and Master cohorts have worked together to develop and curate this hand-over – presenting their work to the profession and announcing future student cohorts. This celebratory exhibition demonstrates the commitment of our students and academics to the discipline and practice of architecture and the depth of our engagement with the future of the profession.

Our guests for this event – students, staff, alumni, practitioners and sponsors – are a community of practice and we warmly welcome you. An engaged and passionate network of friends and supporters is a powerful force for the advancement of the School and we thank you for your partnership in our progress.

Our congratulations to the 2019 Bachelor and Master graduate cohorts.

Professor Cameron Bruhn Dean and Head of School, Architecture





Folded Space: Linear City



Folded Space: Linear City

Pop-up Exhibition

### In Transit Campus Addition

### COORDINATOR

Andrew Wilson

### TUTORS

Peyman Akhgar Michelle Bailey Aparna Datey Jason Haigh I-wen Kuo Hamish Lonergan Lisa Moore Alexandra McRobert Laura Patterson First year began with a group project that introduced the notion of framing space, followed by a project that introduced process through folding and calibrating space. In Transit Campus Addition speculated on the use of personal mobility devices, creating a new mode of travel within public spaces. First year's final project of the semester developed an architectural response to this phenomenon, to accommodate this mode of transit within the structure and pattern of urban space. The project began with the development of an understanding a set of functional requirements in order to create an organisational and spatial strategy that caters to them. The strategy was then adjusted to suit a specific site chosen by each tutor on the university's St Lucia campus.

Thanks to artist Lincoln Austin for a successful Project 2 workshop.

In this Course students had the opportunity to develop skills in relating the conventions of orthographic projection to ideas in architecture. This was done through an exploration and synthesis of the key design tools we deploy in our day to-day lives as architects: plan and section. These tools, as graphic exercises in descriptive geometry and the representation of materials and space, aide in the fundamental development of a repertoire for form in architecture. Through two projects exploring concepts of 'optimization' and 'competing factors', students explored how architectural ideas connect this notion of a repertoire for form with an understanding of scale, setting, context and building organization architectural design. The potential of in architectural ideas resided in their capacity to hold the above concepts together: a case of Both/And rather than Either/Or.

### ARCH 1201

COORDINATOR

Douglas Neale

TUTORS

Peyman Akhgar Michelle Bailey Kristina Boychenko Jon Henzell Mark Hiley Jonathan Kopinski Kento Nagao Laura Patterson



### Animal Exhibit for Dreamworld

### COORDINATOR

Sandra Kaji-O'Grady

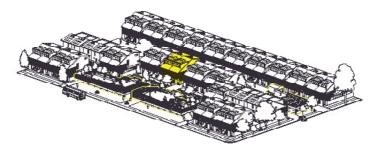
### TUTORS

Jorge F. de Aguirre Melody Chen Anh Quoc Ho Paige Lee, Alexandra McRobert Patrick Ozmin Eliza Panizza Gail Pini

### SPECIAL THANKS

Al Mucci, Steve Johnston and ANIM2055 students This course was focused on site and surface as generators and registers of design ideas. Two projects were undertaken at Dreamworld, in the Corroboree precinct where Australian animals are exhibited alongside and through indigenous stories. The Dreamworld Corroboree team, led by Al Mucci, hosted an educational and engaging site visit early in the semester. Dreamworld presented a fascinating site for architects, with its mix of manufactured scenography and natural landscapes. The first project—a Decorated Shed called for the design of an exterior envelope and a canopy structure for the FutureLab, a real project for a laboratory to support marsupial research and training. The second project was based on architectural briefs for ten different animals compiled by students in the UQ Faculty of Science course "The Management and Husbandry of Zoo Animals" (ANIM2055).





Aaron Barton



Second Year has undertaken an extensive research of building types found in the inner city and outer suburbs of Brisbane and developed a mixed-use duplex proposal and ground plane organisation for 8 linear sites in Sunnybank where we have detected signs of hybrid use and liveliness. The sites sit between commercial hubs and the broader suburb.

Students have worked collaboratively with their tutors, and have been invited to respond to the context and test grouping strategies for duplexes and associated program to a plot ratio of one as a proposition as to how their site could contribute to a Sunnybank Commons. Naomi MacKenzie

### ARCH 2200

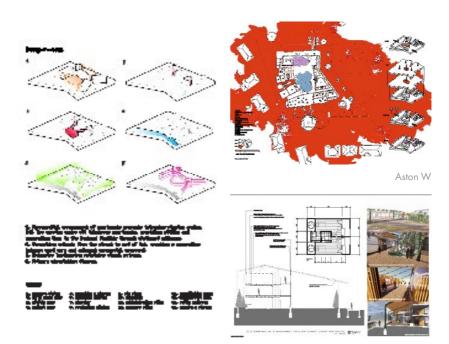
Inner City / Outer Suburb. Rooms for the Memory. Sunnybank Commons

### COORDINATOR

Andrew Wilson

### TUTORS

Emma James Jonathan Kopinski I-wen Kuo Alan Maizey Sarah Manderson Laura McConaghy Yohei Omura Sophie Sachs Lynn Wang



KH Ngu

Chris Storey

### ARCH3100

### Architecture for aging + culture: Urban Indigenous residential aged care design

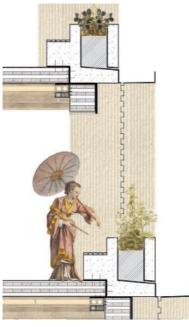
COORDINATOR

Timothy O'Rourke

### TUTORS

Karen Kennedy Jonathon Kopinski Lisa Lambie Kali Marnane Yim Eny (YE) Ng Jessica Spresser In this studio, students designed a 75-bed residential aged care facility in Deception Bay for an Aboriginal and Torres Strait Islander community health organization ATSICHS. The client purchased the site on the north side of Brisbane to build their second residential aged care facility in Southeast Queensland.

Students were asked to consider the potential implications for design related to the cultural and social background of residents living in permanent aged care. In addition to the specific needs of the client and the residents and their visitors, students were asked provide an environment conducive to the aged care staff. Questions about cultural representation in architecture extend to other types of institutions and other cross-cultural settings.





Riley Lehmann



Elliot Reher

Members of Gateway rose to the occasion. Many responded by illuminating their work with a passion to explore agendas that went beyond the general, bringing the particular to the forefront in their explorations. The journey was arduous but worthwhile. Our graduating students now have architecture under their belts with a hunger to take on new challenges. Ryan Wallace

ARCH 3200

GATEWAY St Lucia Campus: Accommodating the unforeseen and gathering the expected

COORDINATOR

Pedro Guedes

TUTORS

Craig Atkins Sarah Betts Alejandro Cohn Mark Gregory Jason Haigh Arian Lo





Peter Grealy

Madeleine John

### ARCH7001

Disruptive innovations: travel, tourism and the micro-hotel

COORDINATOR

Zoe Ridgway

TUTOR

Daniel Cocker

This studio provided an opportunity to research and analyse emerging accommodation typologies and to imagine how market knowledge could contribute to innovative city making. Students were asked to critically analyse building precedents that have attempted to disrupt accepted conventions of travel and tourism, based on a 'sharing economy' model. With the assistance of quest lecturers and critics from the hotel industry, local and international practicing architects, and site visits to local short-term accommodation exemplars, students were able to engage with a rich cross section of experiences and perspectives. Having developed an understanding of the legislative, commercial and cultural contexts relevant to their inner-city site, students were able to propose appropriate and relevant challenges to those constraints, as demonstrated by their innovative architectural proposition.



Leah Hartley



Nicola Myatt



Lucy Nicklin



Ismael Alejandro Munoz Camargo



Reactivation of the former Brisbane Dental Hospital and College – Balancing development with conservation, reuse and city making.

### COORDINATOR

David Gole on behalf of Conrad Gargett

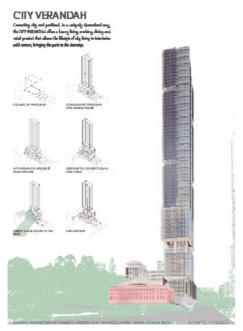
### TUTORS

Andrew Campbell Callum Senjov Focused on the reactivation and redevelopment of the former Brisbane Dental Hospital and College on the corner of Albert and Turbot Streets, this studio examines the role of commercial development in making feasible the retention, conservation and reuse of heritage buildings.

The site offers students the opportunity for responsive urban design and new built form as the nexus between the park and city and design that considers integration with the adjoining heritage sites (Windmill and Reservoir), park and the residential scale of Spring Hill. In this studio students were asked to develop a commercial proposition in the form of a tower(s) that explores the balance between revenue generating program as well as providing a "public" space and city-making gesture.



Matthew Walton



Alyce Giebel



David Li



Matthew Walton





Mike Tavola

### Cultural Institutions: NPAV @ QPAC

COORDINATOR

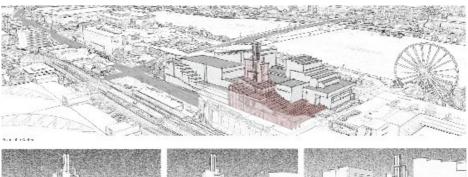
Elizabeth Musgrave

TUTOR

Gerry Murtagh

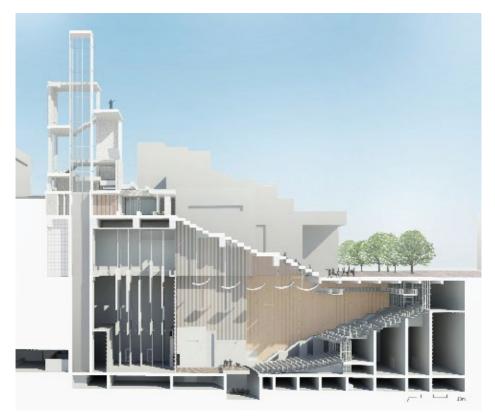
The ARCH7002 studio in Semester 1 explores issues of agency as embodied in the sensitive relationship between creative arts organizations, patrons and the general public. It explores this relationship through formulation of architectural proposals for the New Performing Arts Venue to be located at Playhouse Green, Southbank, in colocation with the Queensland Performing Arts Complex.

In the final stage of work, the interdependent relationship between the thinking about and the making of architecture - between the 'construing' and the 'constructing' – was explored through the making of a series of models at different scales.





Mehdi Mishra



Mehdi Mishra



### Australian National Maritime Museum / mu-SEA-um

COORDINATOR

Ashley Paine

TUTOR

Yolandé Vorster

Since opening to the public in 1991, the Australian National Maritime Museum (ANMM) in Sydney has witnessed enormous change. Located in what was once a peripheral site on the western edge of Darling Harbour, it now finds itself in the middle of a vibrant cultural and entertainment precinct. The institution too has changed and, while the Philip Cox, Richardson, Taylor Partners-designed building has provided & an iconic home for the ANMM for nearly three decades, the building no longer meets the needs of a 21st century museum. The ANMM is also in the process of reinventing itself as a "mu-SEAum." refocusing attention on the ocean and its role in the nation's past, present and future. Accordingly, students in this studio designed a major renovation and addition to the existing museum, to re-imagine the building-and rebrand the institution-to reflect its changing focus and its new identity.



Alice Langholt



Millicent Lupton



Elizabeth Robbins



Caroline Zhang

17



Cassandra Liddell



Federica Savoia



Queen St Market, Melbourne



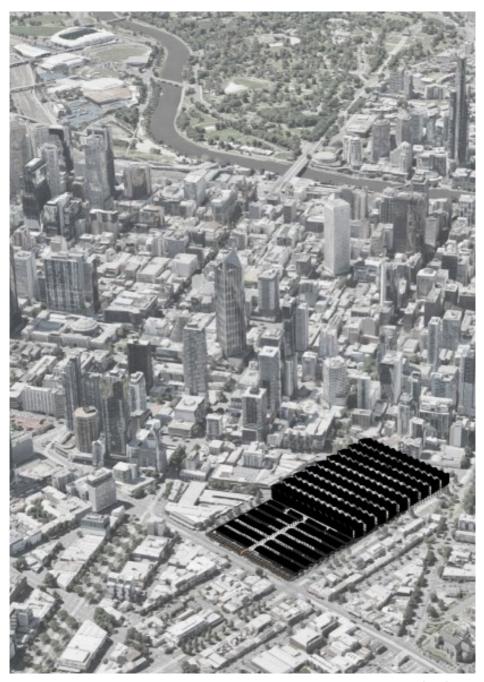
QVM Site Visit: Silent Disco

Queen Victoria Market: Heritage Fabric, Culture and Timber Construction

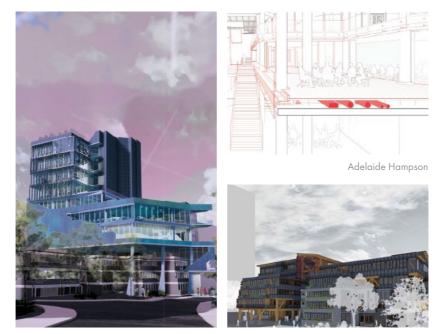
COORDINATORS

Paul Jones Andrew Wilson Queen Victoria Market in Melbourne has been the setting for an investigation of approaches to heritage and contemporary strategies for timber construction systems that allow for adaptation over time, and engender open-ness to adjacent public realm, and contributions to lively social space in the city. The studio began with a project briefing from the architects that established scope, budget, time frame, and specific project requirements.

We invited students to speculate on strategies appropriate for heritage projects and to elucidate approaches for integration of old with new, through consideration of material, structure, envelope, environmental service, acoustic and lighting systems, as an architectural armature, working with lead consultants, stakeholders and architectural practice in studio tutorials, workshops, and in the field.



### Adaptive Capacities



Ryan Browne

Haydn Smith

### ARCH7003

### Alchemy at the Don Nicklin building

COORDINATOR

Kelly Greenop

TUTOR

Georgina Russell

This studio asked students to design an adaptive reuse project for an architecture school in the current Don Nicklin Building (a potentially real project) on the UQ St Lucia campus, current home to the School of Chemical Engineering. Project designs were tasked to reuse at least part of the Don Nicklin building, plus add new work either on top, beside, or in an area freed up by partial demolition, to accommodate a contemporary inter-disciplinary School of Architecture and Design.

The brief included additional studios, offices for an increased staff, an exhibition space, Indigenous Elders offices and residential accommodation for visiting fellows. The building is a classic brutalist work with all the features and constraints this brings - in situ concrete structure, low ceiling heights, ageing and inadequate services.



Nino Middleton

Georgia Sewell







Daniel Lonergan



Tristan Giger

ALCHEMY AT THE DON NICKIN BUILDING MONODI ADMICTS ACCITCUM DECN UNDERFORM CONTENTS BUILDING BUILDING



Felix McCabe

## Dwelling and Density





Zoe Kudeborg



Benjamin Pager

### ARCH 7004

### VP19

### COORDINATORS

Stuart Vokes and Aaron Peters on behalf of Vokes and Peters

### TUTORS

Zachary Chapman Paige Lee VP19 was a design studio focusing on low/ medium scale residential, mixed use buildings. The studio developed a project that can inform the new Southbank Masterplan, currently under development by Southbank Corporation. The design studio introduced students to the working methodology of Vokes and Peters. Lectures, readings and project work focussed on ideological conviction as a framework for critical practice.

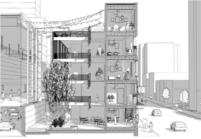
In the 30 years since South Bank was first established, the area has undergone extensive development and expansion. South Bank has sought to rehabilitate a large swathe of historic city fabric that was obliterated by the construction of the 1988 World Expo. In 2018, the Queensland Government announced a new Master Plan for South Bank. A number of the precinct's iconic assets are now reaching their end of life, are overutilised, or under-performing.



Yasmine Melis

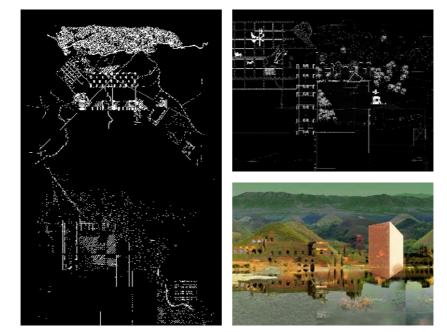


Leah Hartley





Olivia Daw



Isabel Narvaez

The Place of Memory and Memory of Place: Reimagining Terrain and Landscape in Chandigarh

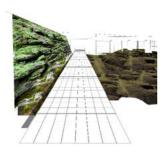
COORDINATOR

Manu P. Sobti

TUTORS

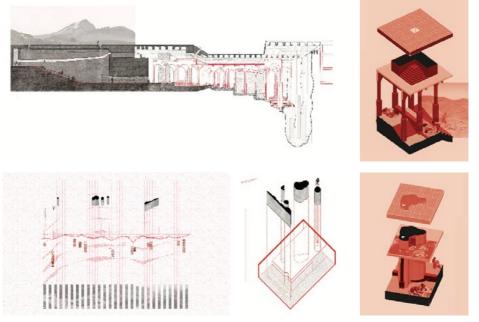
Ayman Alanssary Maryam Shafiei Within the purview of design scholarship, Le Corbusier's unparalleled tabula rasa at Chandigarh-India (built 1951- 66) represents the grand culmination of the ideals of the CIAM alongside the City Beautiful Movement. In highlighting the palimpsests of site, context, topography and genus loci, this landscape design studio re-visits Corbusier's formal vocabulary of tectonic elements specific to Chandigarh's urbanity. The focused climax of the studio speculated on the nature of unbuilt components within and beyond Chandigarh's Capitol Complex, especially the socalled Governor's Palace (later the Museum of Knowledge) - while re-imagining its site and intended connections to the Himalayan foothills. We re-engaged with topical and specific discussions on place, culture, heritage and urban sustainability towards the project of a Terra Archive.







Maddison Keaveny



Lily Parsons



Jake Cumberland

### Interrogating Difference Indigeneity and Campus Landscapes

COORDINATORS

Carrol Go-Sam Susan Holden

TUTOR

Kali Marnane

Studio participants interrogated difference through the design of a new multipurpose Indigenous Centre. Students were asked to understand the complex factors underlying campus design through an examination of global and national precedents. The overall aim called for an invention of a new building type intersecting Indigeneity, architecture and campus landscapes through numerous interrogations of the cultural parameters of Indigenous representation in architecture.

Opportunities to explore how the new UQ Indigenous Centre were anticipated to add value to UQ Campus masterplan, potentially expanding the vision to a more clearly defined arrival point by either linking the new Centre to the Lakes Station transport hub, and/or other existing campus features and natural landscapes through the creation of defined precinct.

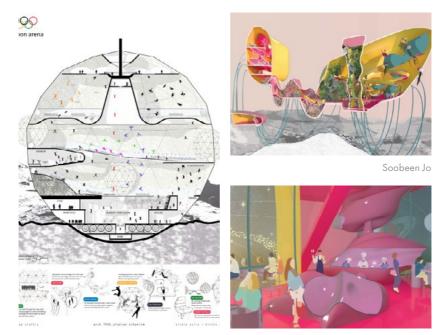


Kelly Nortje



Shameem Karim

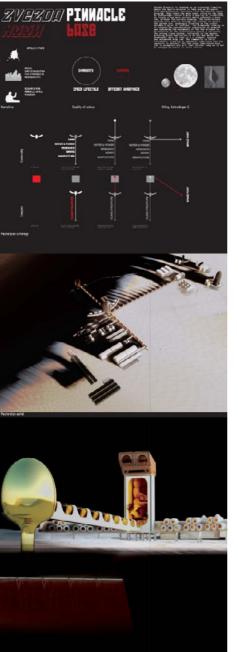
### Utopian Urbanism



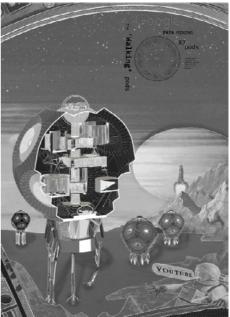
George Stathis

Soobeen Jo

ARCH7006 COORDINATOR Nicole Sully TUTORS Kirsty Volz The Moon has been an object of fascination since prehistoric times, occupying a prominent place in early religion and folklore, as well as science. philosophy and the arts. In recent years there has been speculation that we are on the cusp of a new space age fueled by the rise of private space transport, and led by commercial interests. Half a century after the first manned Moon landing, the possibilities of outposts and colonies in space have yet to be realised. In the lead up to the 50th anniversary of the Moon landing, this studio invites students to revisit this seminal moment in human history, by designing a lunar colony. Through rigorous engagement with historic and current research, analysis, and research-driven design project work - this studio will explore new and utopian possibilities for the Moon. Thoughtful, unconventional and imaginative explorations was particularly encouraged.



Ryan Browne



Jake Cumberland



Jake Cumberland



Soobeen Jo



### Utopian Urbanism

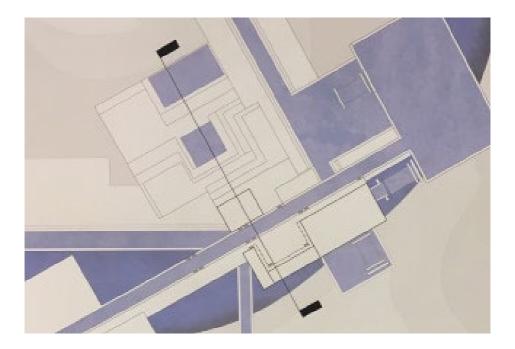


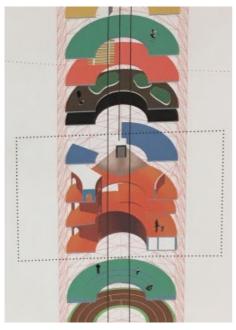
Isabella Reynolds

Jeffrey Zheng

ARCH7006 The Spatial City COORDINATOR Kim Baber TUTORS Daniel Cocker Josh Spillane In ARCH 7006 Utopian Urbanism, students were to design a speculative elevated megastructure constructed within and above an existing urban context, being spatially democratic, constructed of sustainable materials, and energy neutral. New transportation networks will necessarily be three dimensional systems, and the built fabric itself will have generous spatial porosity to provide free passage of light, air and precipitation to the restored landscape and ground plane.

The project has involved: initial research of historical precedents for elevated megastructures; a concept design for urban intervention based on a transect of Brisbane, and a detailed design proposition for a megastructure with a residential and/or public program that was determined by each student through their analysis of the displaced use patterns of the city's ground plane.









Genevieve Quinn



Chuanpeng Zhang

### Synopsis

### COORDINATORS

Michael Bailey Ashley Paine Jessica Spresser (Coordinators) This course seeks to investigate the economic uplift and city-making opportunities that might be unlocked at public harbours across Moreton Bay by a fast-ferry service that is proposed to connect Brisbane to key bayside destinations. Proposals for key buildings were developed by each student.

Students were expected to develop both urban and architectural positions as well as an economic justification to support their research-driven design proposal. Activities included designing charettes, insights from industry leaders, a daylong excursion on a charter boat to visit key destinations, and of course, fish and chips.



Caroline Zhang



Manasa Chegu









### Experimental Brick Structures – a series of functional follies

COORDINATOR

John de Manincor

TUTOR

Jo McCallum

Photos courtesy of ©TheFabricatedFrame This studio has investigated brick as a catalyst for design exploration. The studio's focus has been to develop highly resolved engaging artefacts as well as methods of their assembly which has involved inventive modes of conception, communication and construction.

We have been extremely fortunate to have had the support of Brickworks Building Products throughout the semester.

Brickworks facilitated a hands-on workshop where students learned to lay bricks under the supervision of skilled tradespeople. Participants have developed new knowledge via detailed modelling and prototyping using traditional and/ or computational techniques. These skills have been applied to the design of a series of "function follies" on five sites along the Brisbane River.



©TheFabricatedFrame

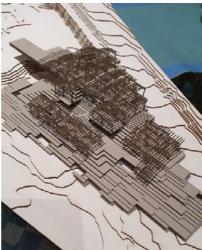






Sean McLean





COORDINATOR

Kim Baber

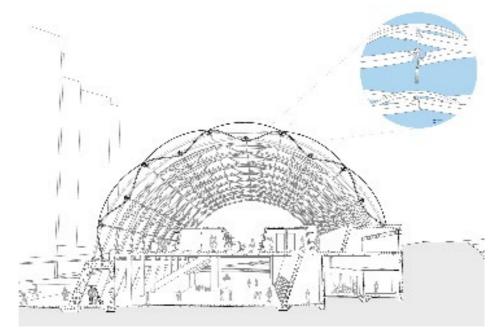
TUTORS

Sam Butler Mateo Gonzalez Harry Mills John Stafford In ARCH7015, students have investigated the design of timber structures through an exploration of processes of 'Grafting', 'Laminating' and 'Splicing', in order to generate large-scale structures via a novel assembly and aggregation of timber members. Students have interrogated structural typologies that benefit from a tectonic logic and a hierarchic ordering system.

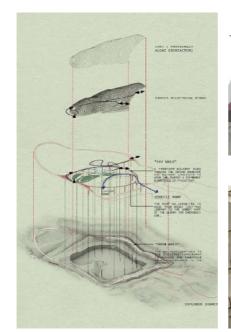
The studio has involved sub-projects exploring timber prototyping to investigate the making of connections at a scale of 1:1. The studio has also involved collaboration with students and staff from the School of Civil Engineering, and has provided opportunities to learn skills from the engineering discipline. The principal project is the design of a large scale semi-enclosed public Market Hall Building in the centre of Brisbane.



Hamish Buchorn



## Generative Structures





Lucy Nicklin



Iris (Lei) Jin

Madeleine John

### ARCH7015

### **Reciprocal Structures**

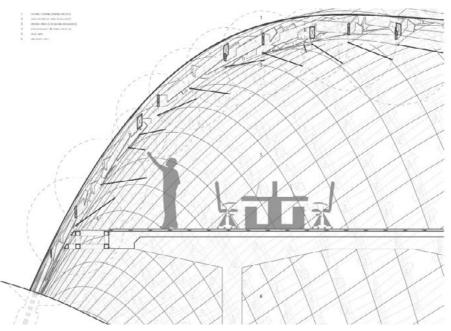
COORDINATOR

Fred Teixeira

TUTOR

Ayman Wagdy

Since opening to the public in 1991, the Australian National Maritime Museum (ANMM) in Sydney has witnessed enormous change. Located in what was once a peripheral site on the western edge of Darling Harbour, it now finds itself in the middle of a vibrant cultural and entertainment precinct. The institution too has changed and, while the Philip Cox, Richardson, Taylor & Partners-designed building has provided an iconic home for the ANMM for nearly three decades, the building no longer meets the needs of a 21st century museum. The ANMM is also in the process of reinventing itself as a "mu-SEAum." refocusing attention on the ocean and its role in the nation's past, present and future. Accordingly, students in this studio designed a major renovation and addition to the existing museum, to re-imagine the building-and rebrand the institution-to reflect its changing focus and its new identity.

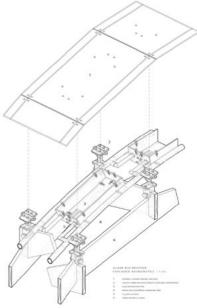


Jonathan Buttsworth





Thanh Mai Nguyen



Jonathan Buttsworth

# Responsive Environments



Shameem Karim

### ARCH7016

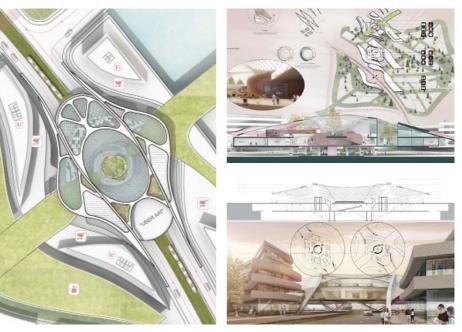
### Smart Sustainable Urbanism

COORDINATORS

Cathryn Chatburn Paola Leardini Globally the pace of urban growth is unprecedented. This issue is particularly relevant for Australia, where the urban population was reported at almost 90%. The development model still pursued in Australian cities sadly relies on sprawling green field growth, with iterations of low-density housing on progressively smaller lots. This studio challenges this model and investigates long term sustainable, smart development alternatives. It leverages collaboration with Sunshine Coast Council to propose and test urban scale solutions, and engagement with local urban designers and architects to develop visionary - yet feasible - 'urban interiors'. The Sunshine Coast Enterprise Corridor is expected to accommodate 70% of the region growth and is planned as the key regional location for commercial and residential intensity along the Light Rail. The studio focuses on an east/ west transect of this Corridor, and the development of urban and architectural concepts that work with existing regional assets to translate future settlement and infrastructure ambitions into progressive models for integrated urbanism.



Datao Shen



### 2019 Architecture Awards

A E Brooks Travelling Scholarship	Awarded to a student who successfully describes how their proposed international travel, and subsequently their knowledge and experience gained, will develop architecture in Queensland. Value - approx. \$2,500. The number of scholarships awarded varies on an annual basis.
	Awarded to: • Kelly Nortje • Meghna Prasanth • Lara Rann • Siubhan Rudge
Ceridwen Indigenous Scholarship	Awarded to a student who most successfully describes how their study or research will serve to benefit Indigenous (Aboriginal or Torres Strait Islander) children in Australia. Value - min. \$3,500 but limited to the annual income from the fund.
	Awarded to Wei Win Loy.
Conrad Gargett Architectural Design Prize	Awarded annually to the student with the highest GPA in the architectural design courses in the first 3 years of the Bachelor of Architectural Design. Value - \$1,000 plus professional experience with Conrad Gargett Architects
	Awarded to Kirsty Green.

### Conrad Gargett Public Architecture Prize

Awarded annually, by application, to a UQ final year Master of Architecture graduating student.

Value - \$5,000 + \$2,000 contribution to travel, book voucher and 2 year membership to Australian Institute of Architects.

Nominees:

- Harry Baumann
- Ryan Browne
- Alejandro Munoz Camargo
  - Elena Moctezuma Levva

Awarded to Lewis Orgar.

- Thanh Mai Nguyen
- Lewis Orgar
- Genevieve Quinn
- Georgia Sewell

### *The dwp Prize for Architecture*

Awarded to a full-time, final year student of the Master of Architecture program who has undertaken the Architecture and Commerce Design Studio in Semester 1 or 2 and demonstrated the highest quality presentation of their work.

Value - \$1,500

Nominees:

- Adelaide Hampson
- Leah Hartley
- Madeleine John

Awarded to Madeleine John.

Guilford Bell Scholarship Supporting a research higher degree candidate in observing architectural methods used overseas. Value - \$5,000

Awarded to Dilrabo Tosheva.

Karl & Gertrude Langer Memorial	Awarded to a student enroled in the Bachelor of Architectural Design or Master of Architecture for the best architectural drawing.
Drawing Prize	Nominees:•Ryan Browne•Mishra Mehdi•Jake Cumberland•Sean Dervan•Soobeen Jo•Lily Parsons•Shari HawthorneAwarded to Soobeen Jo.•Sobeen Jo
<i>Peter Hale Cox Architecture Prize</i>	Awarded annually to the student graduating from the Master of Architecture who obtains the highest GPA in the subject areas of design, technology and practice studies across the two years of the Master of Architecture (coursework) program. Value - \$3,000 + paid internship offer Awarded to Adelaide Hampson.
R. Martin Wilson Memorial Prize	For a Master of Architecture Year 1 student whose work exhibits the most successful demonstration of the creative integration of architectural technology with imaginative design. Value - \$1,000 Nominees: • Madeleine John • Ryan Browne • Jake Cumberland • Alice Langholt • Monique Pousson

Awarded to Ryan Browne.

### To be awarded, post grade release:

### Bligh Tanner Prize

Awarded annually to the student in the first year of the Bachelor of Architectural Design program who submits the best project exhibiting a successful integration of architectural design, science and technology.

### Board of Architects Prize

This Senate-awarded prize is for the student who graduates with the highest GPA in the Bachelor of Architectural Design & the Master of Architecture.

### John Simpson Prize

Awarded to a Master of Architecture student who submits a project that best exhibits the successful integration of architectural design, science and technology.

### Master of Architecture Thesis Prize

Awarded to a Master of Architecture student with the best architectural thesis submitted for the year.

### QIA Memorial Medallion

The QIA Memorial Medallion was established in 1948 and is awarded to the student with the highest GPA in the Master of Architecture.

### The Responsible Wood Prize

Awarded to a Master of Architecture student with the best performance in a course or courses dealing with timber structures. This may include researchbased courses where the research topic is in timber structures.

### Seed Integration Award: Reduction in Energy & Water Consumption

Awarded to a Master of Architecture student who submits a project that best exhibits reduction in energy and water consumption.

### Seed Integration Award: Health & well-being within the built environment

Awarded to a Master of Architecture student who submits a project that best exhibits health and well-being within the built environment.

Acknowledgments



architecture

