



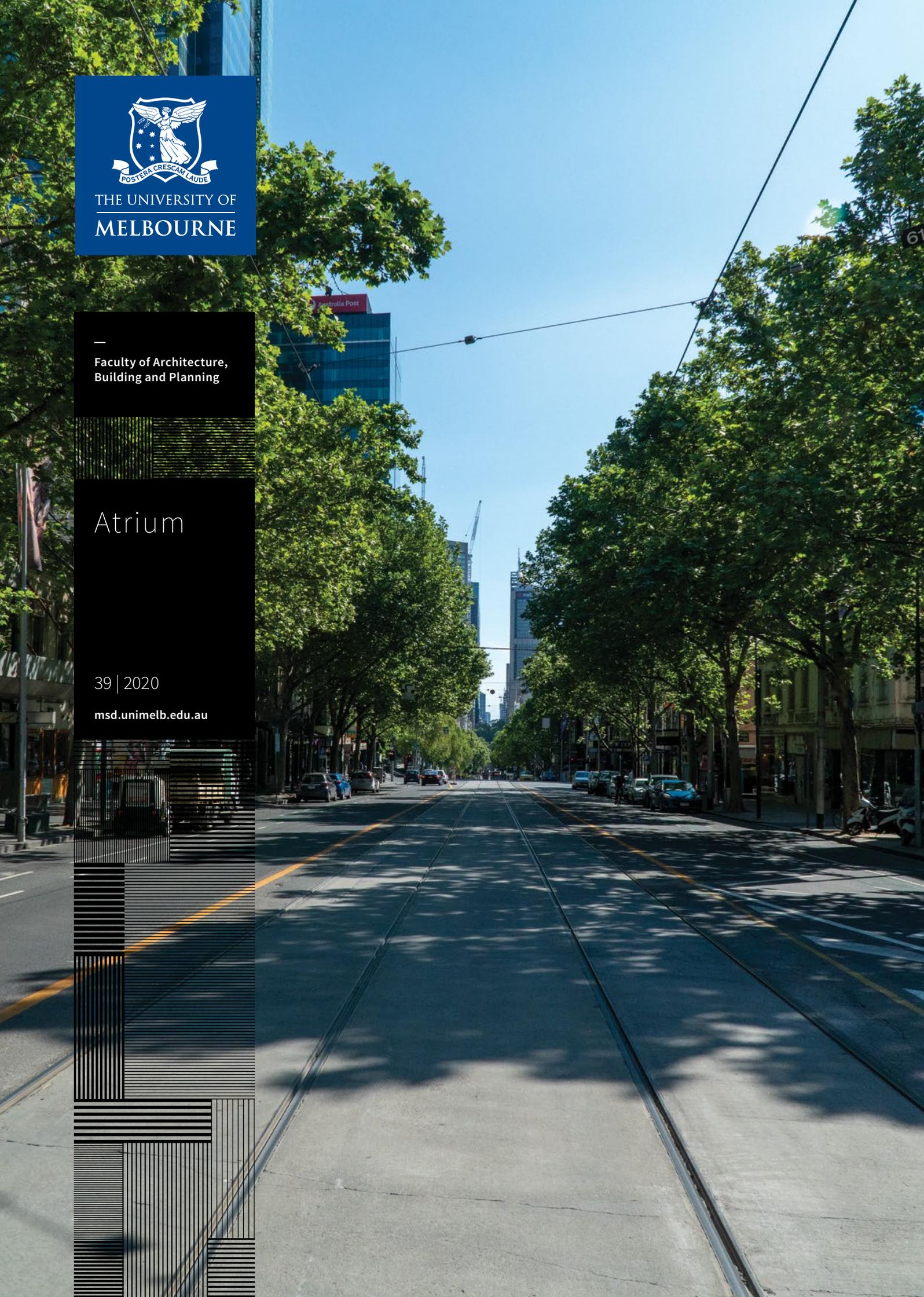
THE UNIVERSITY OF
MELBOURNE

Faculty of Architecture,
Building and Planning

Atrium

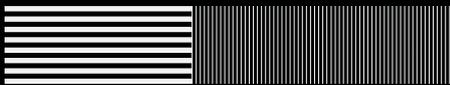
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FROM THE DEAN JULIE WILLIS

IN MELBOURNE, AS THE WEATHER WARMS, WE ARE FINALLY ALLOWING OURSELVES TO DRAW A LONG, DEEP BREATH.

A glimmer of hope on the horizon for us, as we have worked collectively as Victorians to flatten the second wave of COVID-19 across our state and restrictions are finally starting to ease. We are very proud of the vital work that ABP's Dr Jason Thompson and his colleagues at the Transport, Health and Urban Design Research Lab (THUD) did to inform the Victorian State Government's second wave COVID-19 response, through their computational social science model, their advice, and the University's supercomputer. You can read about this monumental effort on page 12 of this edition.

This semester remained challenging for our students and staff, perhaps even more so than earlier in the year, as we watched the rest of Australia ease restrictions whilst we grappled with Stage 4 lockdown. Every member of the Faculty faced extra demands and new challenges, testing our patience and our resilience. But once again I was heartened by the strength of our community and our collective achievements. Our end-of-year exhibition, MSDx Summer, will again be celebrated virtually and I encourage you to visit the [online galleries](#) to glimpse the outputs of what has been an extraordinary year.

Further from home, you will notice this edition is loosely themed around our valued relationship with Indonesia – the students, academic institutions and the country itself. The Faculty has longstanding ties with our close neighbour, and over the past decade we've seen growing interest in Indonesia's complex urban growth and built landscape, particularly around the topics of the relocation of the Indonesian capital city to East Kalimantan, the flooding crisis in Jakarta and many Javanese cities (the tropical facet

of climate emergency, a contrast to Australia's extreme bush fire season), and the challenging task of managing the country's rich and complex cultural heritage landscape in the face of rapid urbanisation.

In many other ways, our international engagement continued apace despite our closed international borders. The Faculty has run an extensive program of online lectures and events that have attracted international guests and audience, which has been enormously popular. In October, I attended the online signing of the University's partnership renewal with Tsinghua University, which also celebrated 25 years of productive partnership. And ABP's third (and first virtual) Symposium curated by Dr Cathy Oke, Dr Judy Bush and Associate Professor Anna Hurlimann, on SDGs, Climate Change and Cities, attracted over 700 participants and delegates from 25 countries. It was particularly encouraging to see 83 universities and nearly 400 students participating in these important discussions.

As the year draws to a close, it is now time to reflect, look back and commemorate the amazing effort of 2020, and I encourage you all to do the same. No doubt you have achieved and been through similar challenges – as we have said often this year at the Faculty, we are in the same storm, but not in the same boat. This year, as always and perhaps more poignantly, I offer you my best wishes for a safe, restful and happy holiday season.

Portrait image:
Paul Philipson



CELEBRATING OUR INDONESIAN PARTNERSHIPS

By Sophie Hill

THE UNIVERSITY OF MELBOURNE HAS A STRONG HISTORY OF ACADEMIC COLLABORATION AND EXCHANGE WITH INDONESIA AND IS COMMITTED TO STRENGTHENING THIS PARTNERSHIP IN THE COMING YEARS.

The establishment of the University of Melbourne's *Indonesia Forum*, a cross-faculty forum of academics and postgraduate students, in 1991 was a significant milestone in this relationship, which has gone from strength to strength in the years since.

The University launched an *Indonesia Engagement Strategy* in 2019 formalising the intent to increase joint research projects between Australia and Indonesia and to help develop a world-class higher education system in the leading South-East Asian nation. University of Melbourne Vice-Chancellor Duncan Maskell noted the importance of the strategy, saying “long-term partnerships and collaboration between the University of Melbourne and Indonesian universities will build on respective strengths in order to create positive impacts and in-roads into issues facing Indonesia and the world”

In February 2020, Professor Julie Willis, Dean of the Faculty of Architecture, Building and Planning accepted an invitation from the Australian Prime Minister's office to attend a function in honour of His Excellency Mr Joko Widodo, President of the Republic of Indonesia as part of his visit to Canberra.





LONG-TERM PARTNERSHIPS AND COLLABORATION BETWEEN THE UNIVERSITY OF MELBOURNE AND INDONESIAN UNIVERSITIES WILL BUILD ON RESPECTIVE STRENGTHS IN ORDER TO CREATE POSITIVE IMPACTS AND IN-ROADS INTO ISSUES FACING INDONESIA AND THE WORLD.

Shortly after, the Governor of West Java, Pak Ridwan Kamil, visited the Melbourne School of Design as one of the panellists participating in a roundtable discussion titled 'Inclusive Regions: Lessons from the development of West Java' alongside Dr Amanda Achmadi, Senior Lecturer in Architectural Design, and Roro Damar, PhD candidate.

The Faculty has enjoyed a close and productive relationship with the Institut Teknologi Bandung (ITB) in particular, one of Indonesia's leading research-driven universities.

Earlier this year, Professor Willis travelled to Bandung to help celebrate the institute's 61st anniversary, and was delighted to receive the appointment of Honorary Professor in ITB's School of Architecture, Planning and Policy Development (SAPPK) as part of this visit.

SAPPK is the oldest architectural department in Indonesia and is highly regarded as a research-driven teaching department, with an emphasis on urban design, planning and architectural history.

The Faculty's close partnership with ITB has facilitated multiple academic, research and student exchanges for a number of years.

Former Dean of the Faculty Professor Ross King, Senior Fellow Hugh O'Neill and Professor Kim Dovey, Chair of Architecture and Urban Design have played an instrumental part in establishing and cultivating the Faculty's engagement with Indonesia over the last 30 years. Many of the Faculty's first PhD students from Indonesia were recruited personally by Professor King during his visits to key academic institutions across Indonesia, and they have gone on to take up leadership

roles in high ranked research universities such as UI and UPJ in Jakarta, ITB in Bandung, UGM and UII in Yogyakarta, ITS in Surabaya, as well as in the National Ministry of Public Housing. Professors King, Dovey and Paul Walker supervised many of this first group of Indonesian PhD students in the Faculty.

The Faculty's longstanding Indonesia Travelling Studio sees graduate students from a variety of disciplines including architecture, landscape architecture, urban design and urban planning travel to Indonesia to work collaboratively on projects tackling real-world issues. The first Indonesia Travelling Studio visited Jakarta in 2001, and was led by Faculty alum Stephen Cairns who has gone on to take on the role of [Research Director at the Future Cities Lab \(ETH Zurich\) in Singapore](#). There have since been four more Indonesia Travelling Studios.

Students from the Faculty have worked closely with ITB students throughout the last three Indonesia Travelling Studios, with University of Stuttgart students joining the collaboration on the most recent studio in October 2019. Jointly coordinated by [Dr Amanda Achmadi](#) and [Dr Sidh Sintusingha](#), students from the three institutions explored the global discourses of informal urbanism and emerging design thinking in this field.

The outcomes of this studio were presented in an exhibition titled '[Cities in-Between](#)' which was launched by Professor Willis on February 28 at ITB's Architecture Building Gallery. The exhibition was due to travel on to Stuttgart in June 2020 then to Melbourne in November 2020 before the COVID pandemic halted these plans, with the exhibition instead [launching virtually in November](#) and [showcasing projects online](#).

The studio has sparked a passion amongst students to further their design exploration on the topic of informal urbanism in their subsequent design studios within the Faculty, signalling just how valuable this learning experience was for them. Most recently, Master of Architecture student Archana Ramesh was awarded a [2020 ANU Indonesia Project Research Travel Grant](#) for her design research project 'City as continuum: spatialising urban flow in Kelurahan Cipaganti, Bandung, Indonesia' which built on Archana's Indonesia Travelling Studio experience in 2019, and was supervised by Dr Achmadi.

Moreover, this three-way collaboration has also shifted from teaching to research with staff committing to co-publish a book on the topic of design activism and people-centred urbanism in Indonesia. The book centrally questions and speculates on the role of design thinking in the context of a socially polarized urban environment and rapid growth in Indonesia and other comparable cities of the global south.

The book will feature research works of the teaching team and PhD candidates from the three institutions, as well as curated design ideas emerging from the studio. It will respond to questions put forward by leading figures such as Alejandro Aravena and Balkrishna Doshi, two recent recipients of the Pritzker Architecture Prize, and showcase new research directions emerging from the field of urban studies in dealing with the conditions of cities of the global south, such as the work of Ananya Roy and Abdoumalig Simone, leading international scholars in the field.

Through this collaboration, research exchange and dialog has been strengthened between key urban and design research groups at InfUr and ACAHUCH at the Faculty and SAPPK of ITB, through projects led by [Kim Dovey](#), [Amanda Achmadi](#), [Redento Recio](#) and [Sidh Sintusingha](#).

Against such a background, the Faculty's collaboration with ITB has become even more strategic as it will contribute to the expansion of our knowledge on, and dialog about, the future of the built environment in the Asia Pacific region.

THROUGH THIS COLLABORATION, RESEARCH EXCHANGE AND DIALOG HAS BEEN STRENGTHENED BETWEEN KEY URBAN AND DESIGN RESEARCH GROUPS AT INFUR AND ACAHUCH AT THE FACULTY AND SAPPK OF ITB, THROUGH PROJECTS LED BY KIM DOVEY, AMANDA ACHMADI, REDENTO RECIO AND SIDH SINTUSINGHA.

Photos on previous spread: Professor Willis receives her Honorary Professor position at ITB in March 2020.

Photos on this spread: Professor Willis speaks at the opening of the City In-Between exhibition at ITB.

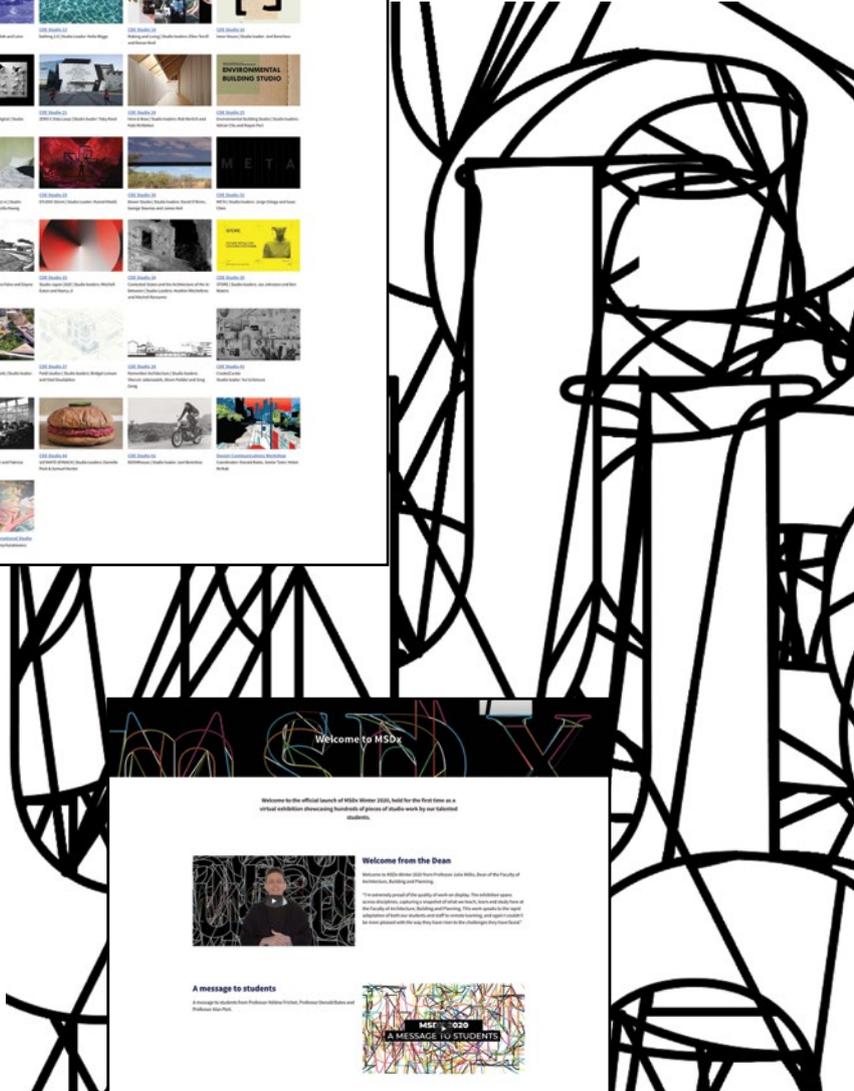
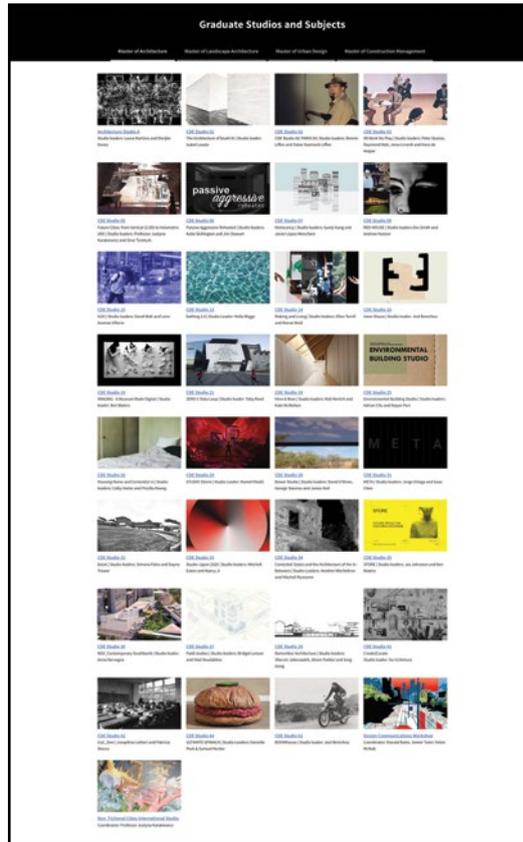
Professor Willis and Professor Widjaja Martokusumo, University Secretary ITB, pose in front of a congratulatory sign from Mr. Ridwan Kamil, the Governor of the West Java province of Indonesia and his wife.

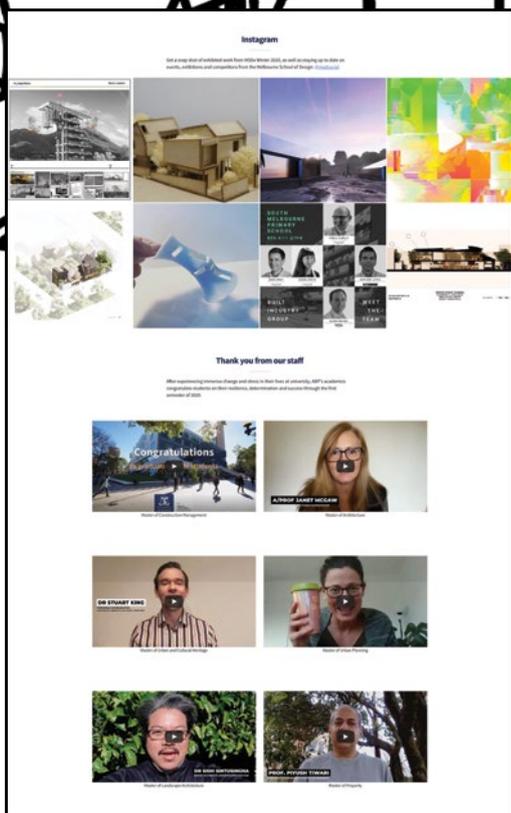
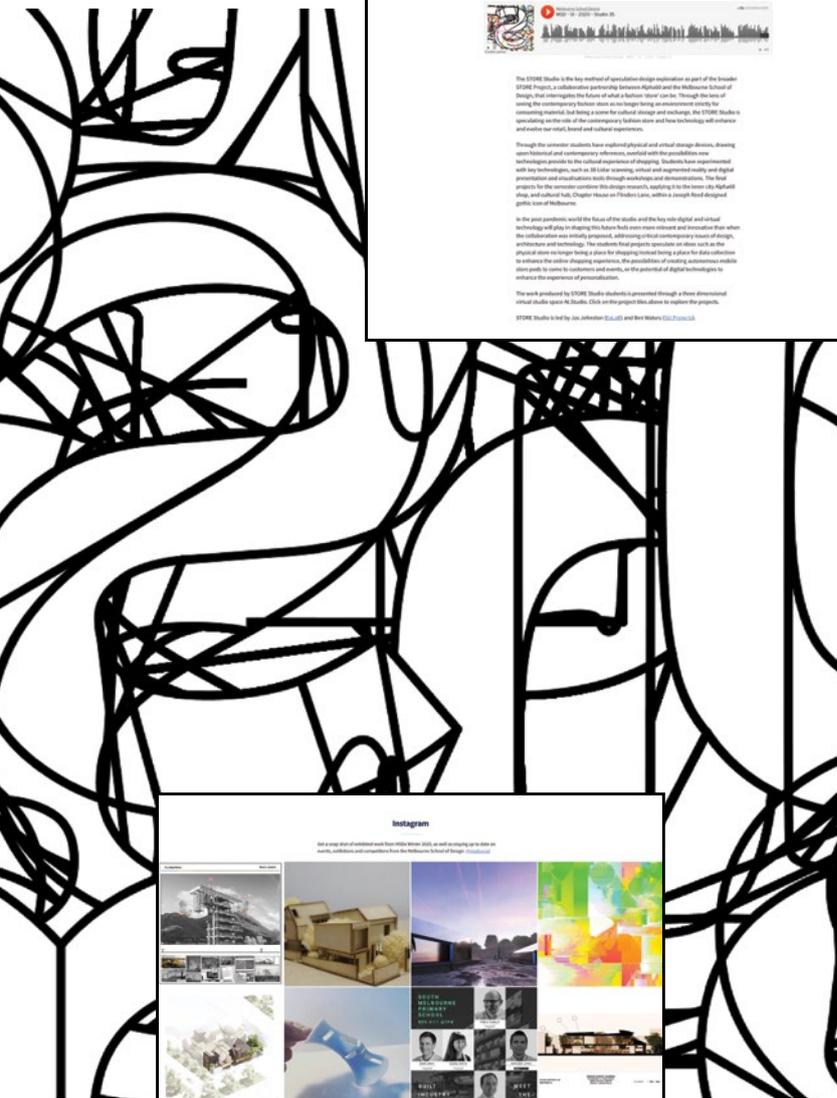
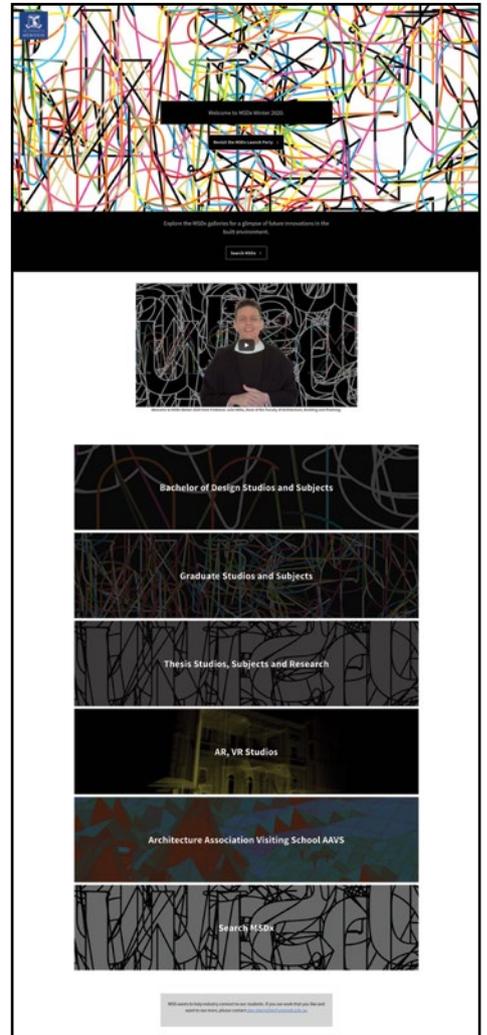
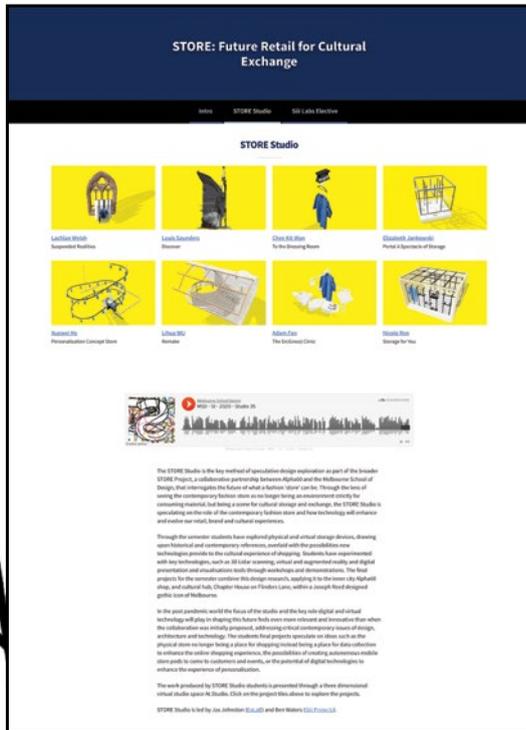
MSDX WINTER 2020

This year we moved our end of semester show, MSDx, online for the first time as a virtual exhibition showcasing studio work by our talented students.

I'M EXTREMELY PROUD OF THE QUALITY OF WORK ON DISPLAY. THE EXHIBITION SPANS ACROSS DISCIPLINES, CAPTURING A SNAPSHOT OF WHAT WE TEACH, LEARN AND STUDY HERE AT THE FACULTY OF ARCHITECTURE, BUILDING AND PLANNING. THIS WORK SPEAKS TO THE RAPID ADAPTATION OF BOTH OUR STUDENTS AND STAFF TO REMOTE LEARNING, AND AGAIN I COULDN'T BE MORE PLEASED WITH THE WAY THEY HAVE RISEN TO THE CHALLENGES THEY HAVE FACED.

Professor Julie Willis, Dean, ABP





740 STUDENTS
WERE REPRESENTED
ACROSS 75 SUBJECTS.

The gallery is a searchable, online resource which includes 3500+ images, videos and animations of 3D models. You can revisit the Winter Launch Party and watch video messages by staff and DJ recordings.

The MSDx website will be a continuing archive celebrating the excellence of our students' work.

msd.unimelb.edu.au/msdx

MSDx Summer 2020 launches at 6pm on Thursday 10 December. [Register here.](#)

INDONESIA TO AUSTRALIA: Studying the Bachelor of Design

By Aengus Cassidy



WE SPOKE WITH CURRENT BACHELOR OF DESIGN STUDENT TASHA ABOUT HER MOVE FROM INDONESIA TO MELBOURNE, HER EXPERIENCE STUDYING AT THE MELBOURNE SCHOOL OF DESIGN AND HOW COVID-19 MIGHT CHANGE BUILT ENVIRONMENT PROFESSIONS.

Aurelia Tasha Handoko ↘



EVERY TIME I ATTEND MSDx I'M REMINDED OF HOW BLESSED I AM TO BE SURROUNDED BY SUCH TALENTED PEOPLE PURSUING A SHARED PASSION.



What's your name?

Aurelia Tasha Handoko.
You can call me Tasha!

What are you studying?

I'm studying a Bachelor of Design, double majoring in Architecture and Construction

When did you start your study in Australia and why did you choose to study at the Melbourne School of Design?

I started in February 2018 and I chose the Melbourne School of Design because it not only offers one of the best architecture courses in the country, but it also offers a 5-year Bachelor and Masters course for Architecture as opposed to other institutions. This means I complete my studies quicker but still receive a good quality education.

I was also coming from a science background and didn't have much design skill or knowledge, but the MSD accepts students from any discipline to study design. There was no portfolio requirement for the Bachelor admission as they teach all the basic knowledge and skills needed in the first year.

How have you found your experience studying in Melbourne?

Studying in Melbourne is a pleasure! Firstly, Melbourne is one of the most liveable cities in the world. Food and transportation are very accessible. The food is very diverse which has helped with any homesickness. The streets are walkable, trains and trams are readily available almost everywhere. There are also many free public amenities to use such as parks, libraries, museums, beaches and the Shrine. There's also close-by road-trip venues around Melbourne for a short weekend getaway.

Melbourne is rich in its architectural history as well as modernization. There's a lot of construction in the CBD. Everything I learn in school about architecture and construction can be observed in my surroundings.

We've used some of Melbourne's historical buildings for case studies and visited construction sites to better understand construction work in real life.

Studying in Melbourne also allowed me to meet a lot of other Indonesians from all regions of home including Surabaya and Jakarta. As many Indonesians have come to Melbourne, there are many Indonesian communities that helped me to feel less homesick and lonely, such as Mudika Melbourne, PDKKI Melbourne, PPIA and IFF. They are like my family away from home.

Lastly, here in Australia it's easier to simultaneously study and have a part-time job. Working alongside my studies has sharpened my soft skills such as time-management and people skills.

Why did you choose to study the Bachelor of Design with a major in Architecture and Construction?

I have always gravitated towards things involving art and design, but I also have a strong suite in the sciences that I wanted to utilise. I guess I wanted to pursue a career that is well-balanced in creativity and reasoning and that appeared to be Architecture and Construction.

What has been your favourite aspect or experience of the Bachelor of Design?

My favourite aspect of the Bachelor of Design is MSDx, the exhibition of student work that happens at the end of every semester showcasing works from multiple subject courses. I love it because it reflects our endeavour throughout the semester. Doing an architectural degree is really difficult so being able to see the result of our hard work is greatly rewarding.

It's inspiring seeing projects from other studios and it initiates creative juices for my ventures. Every time I attend MSDx I'm reminded of how blessed I am to be surrounded by such talented people pursuing a shared passion.

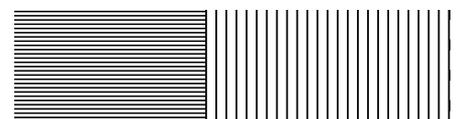
In consideration of the COVID-19 pandemic, how do you think Architecture might change and embrace new and digital technology in the future?

Adaptability has been implemented in many of our developments all around the world. However, with this pandemic, I believe adaptability will be even more celebrated in apartments and other small unit housings. I know in Melbourne, many of my student colleagues live in apartments. With the workplace extended into our homes, the boundary between work and life has been blurred. Designing adaptable space can separate the boundary back and relieve one's quality of life.

In terms of architectural practice, virtual studio platforms can be further developed to improve communication between designers to pitch their designs. Communicating through a single lens in Zoom poses limitations in human interactions as well as delivering design proposals. Without a physical human interaction, it is rather difficult to be 'hands-on' on the drawings/ models. Although some digital platforms have been developed such as [at.studio](#) (a Rhino plugin to share digital 3D models in their online platform), I believe there is still room for more innovations to enhance virtual studio experience.

What are you most looking forward to with COVID-19 restrictions easing in Victoria?

I am most looking forward to the opening of Australia's international border and my graduation ceremony. I can't wait!



Images: Supplied by Aurelia Tasha Handoko

MODELLING VICTORIA'S ESCAPE FROM COVID-19

DYNAMIC POLICY MODELS CAN HELP US THINK THROUGH HOW WE GET TO 'COVID-NORMAL'. HERE THE RESEARCHERS BEHIND THE LATEST MODELLING EXPLAIN WHAT IT DOES AND DOESN'T DO.

By Dr Jason Thompson, Professor Mark Stevenson, Professor Tony Blakely, University of Melbourne, and Professor Rod McClure, University of New England

On Sunday September 6, Premier Daniel Andrews outlined the [Roadmap](#) for Victoria to manage its way out of the COVID-19, second-wave crisis. This is a staged plan that considers both the timing and conditions of easing restrictions.

The goal? To return Victoria to a 'COVID-Normal' state, where we both aggressively suppress new coronavirus cases and enable the economy and people's lives to return to pre-pandemic conditions and to maximize the chance we stay there without a serious third wave.

To achieve this, we need to continue our 'all-hands-on-deck' approach. Individuals, communities, businesses, healthcare workers and families have made huge efforts and sacrifices to get where we are now.

The Victorian Department of Health and Human Services (DHSS) approached our team in mid-August to assist them think through the options for re-opening. We're an inter-disciplinary team of epidemiologists, computational modellers, public health specialists, social scientists and clinicians.

DHSS were aware of our ongoing work since March in [modelling both the Australian and New Zealand first wave](#), and more recently our work on the [likelihood that Victoria might achieve elimination](#) in the original six-week period. Our conclusion based only on the Stage 3 restrictions was that elimination was unlikely.

Importantly, our original model for Australia and NZ noted that NZ – given its stricter lockdown, earlier public health actions and smaller initial caseload – might achieve zero community transmission (e.g., local elimination) in early June. This proved to be correct and held for just over 100 days.

In Australia, we predicted zero community transmission was just 10 per cent likely –

not because the virus acted any differently here, but because our social policies and behaviours were set at a less restrictive level compared to our friends across the Tasman.

Given Australia's lighter restrictions, we also predicted that Australia – some time, somewhere – was likely to experience a significant second wave. Unfortunately, this came true here in Victoria and we are now dealing with the consequences.

So, our team was motivated to work with DHSS to contribute in assisting Victoria and Australia to get back on track, in control, and stay there.

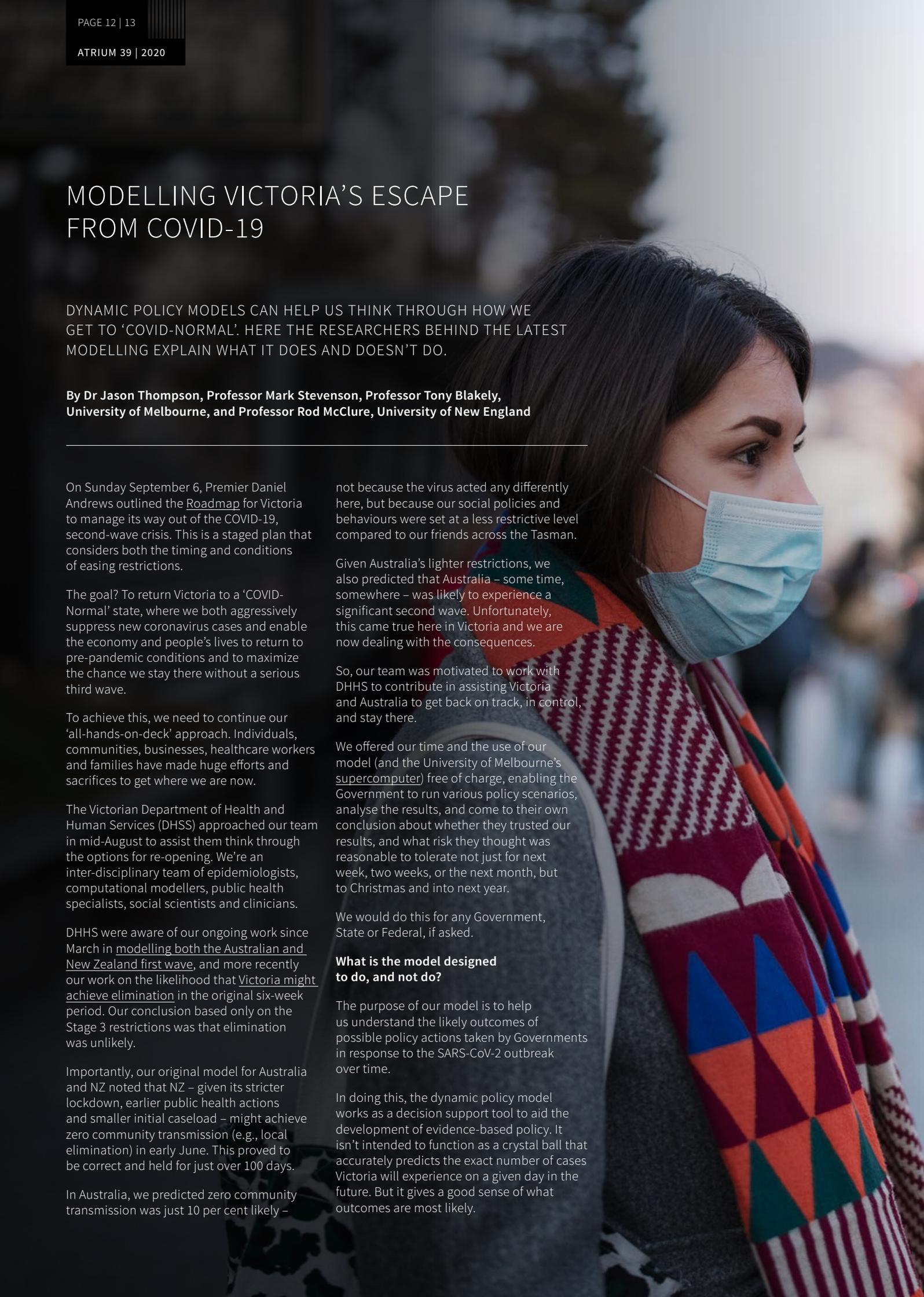
We offered our time and the use of our model (and the University of Melbourne's [supercomputer](#)) free of charge, enabling the Government to run various policy scenarios, analyse the results, and come to their own conclusion about whether they trusted our results, and what risk they thought was reasonable to tolerate not just for next week, two weeks, or the next month, but to Christmas and into next year.

We would do this for any Government, State or Federal, if asked.

What is the model designed to do, and not do?

The purpose of our model is to help us understand the likely outcomes of possible policy actions taken by Governments in response to the SARS-CoV-2 outbreak over time.

In doing this, the dynamic policy model works as a decision support tool to aid the development of evidence-based policy. It isn't intended to function as a crystal ball that accurately predicts the exact number of cases Victoria will experience on a given day in the future. But it gives a good sense of what outcomes are most likely.



The model has been specifically calibrated and targeted to consider conditions in Australia and New Zealand after being initially (back in April) calibrated to Wuhan, China.

For this piece of modelling, it was rebuilt to reflect specifically Victorian conditions, using DHHS' expert advice and local evidence on case numbers, current contact tracing performance, policy settings, community adherence to those policy settings and their impact on virus transmission.

The model can be reasonably adapted by other countries or regions wishing to use it for their own purposes or intervention planning and we are currently doing so internationally.

The patterns observable in the model relate to disease progression through a simulated society as a result of either unmitigated spread or in response to staged social/physical distancing, prophylactic technical or equipment adoption measures – like track and tracing apps, mask-wearing, and school attendance policies – and other related economic and social restrictions enacted and/or lifted over time.

A model is just that – a model. It can't account for every intricacy of society. It isn't designed to effectively deal with for example:

- » The number of unknown source cases (community transmission or 'mystery cases')
- » The differences in infection rates in geographic areas – including high-risk Local Government Areas and low-risk regional areas
- » The relative risk of catching coronavirus from going to work in certain industries or settings beyond essential worker classifications (for example making distinctions between risks for abattoir and healthcare workers or within hospitals)
- » How the weather might affect transmission risk
- » When a vaccine will be available
- » What the risk of new cases arriving from overseas is

- » Fine details about the testing and tracing system (e.g., how it works)
- » Details about differences in demographic risk outside of students and essential workers, or
- » How different contact tracing speed and quality might affect case number trajectories.

While we didn't empirically test how changes in the contact tracing system would affect case numbers, we did base the model around current Victorian contact tracing performance.

Publicly available metrics show that this appears on-par with NSW. Specifically, we modelled a likelihood of any infected person being traced and isolated by the system at a likelihood of 25 per cent per day, resulting in around 80 per cent of people being isolated by day 5/6.

Another limitation of our work is that in the real world as the case numbers get low, the capacity of local response teams might reasonably increase alongside intense localised action to contain fresh outbreaks.

How do the policy triggers and settings in the model work?

The policy triggers and settings in the model represent various times and conditions that a policy-maker (in this case the State Government) might choose to trigger moves to either tighten or loosen social restrictions.

For example, a laissez-faire government might move to what we remember as Stage 3 when we are still at 250 cases per day, and they might decide that tomorrow is the day they are going to do it. Conversely, another government might decide that we won't relax any restrictions at all until we have reached elimination – whenever that occurs. We can model the outcome of these differences in policy settings.

Of course, most jurisdictions around the world are somewhere between these two points, and that's where it is helpful to model where that 'sweet spot' might be.

However, without knowing what the Government is thinking (and we didn't know during the scenarios we tested), the model doesn't 'suggest' optimal actions that the Government might choose. Nor does it 'suggest' over what timeframe they might re-evaluate their decisions, whether it be each day, week, or fortnight for example. Nor does the model determine how stringent restrictions should be at each level.

The model simply shows the Government what our estimates of the short and long-term consequences of their policy settings and decisions might be.

What did the model find?

Some results of our model can be found on DHHS's [website](#). Our most important finding is that the trigger chosen for when to significantly ease restrictions greatly affects the risk of a resurgence and consequent lock-down by Christmas. If a lax fortnightly case average of 25 cases per day is used, the risk of a resurgence that may lead to a Stage 3-style lockdown was just over 60 per cent. A more stringent five cases per day threshold lowered that estimated risk to just three per cent in the settings provided to us.

It is important to make clear that we haven't directed policy with our model. The Government has no obligation to heed the results of our work anymore than it might heed the results of others. We stress throughout that it should be read in the context of other expertise and local circumstance.

It is a clever model. It can help people think through the potential outcomes of policy scenarios. But ultimately – and especially at very low case numbers or outbreaks in specific locations – it will never be as clever as experts on the ground.

This is a challenging period and the modelling provides additional support to assist the Chief Health Officer, the state and others' decisions in complex times and systems.



Further information on the model is available in an appendix [here](#).

ALUM INTERVIEW: PAK BUDI FAISAL

By Sophie Hill

THE UNIVERSITY OF MELBOURNE ALUM PAK BUDI FAISAL COMPLETED HIS PHD AT THE FACULTY OF ARCHITECTURE, BUILDING AND PLANNING IN 2002, WITH HIS THESIS FOCUSING ON DECENTRALIZATION AND SPATIAL PLANNING IN INDONESIA.

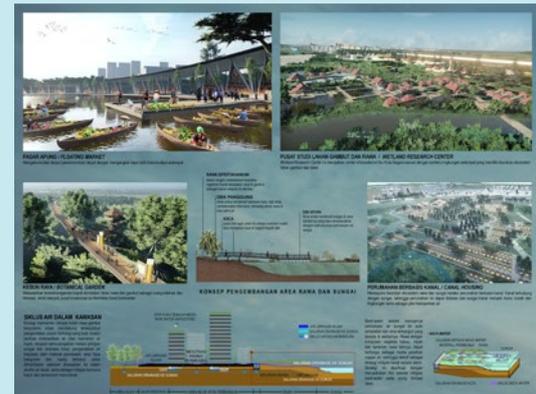
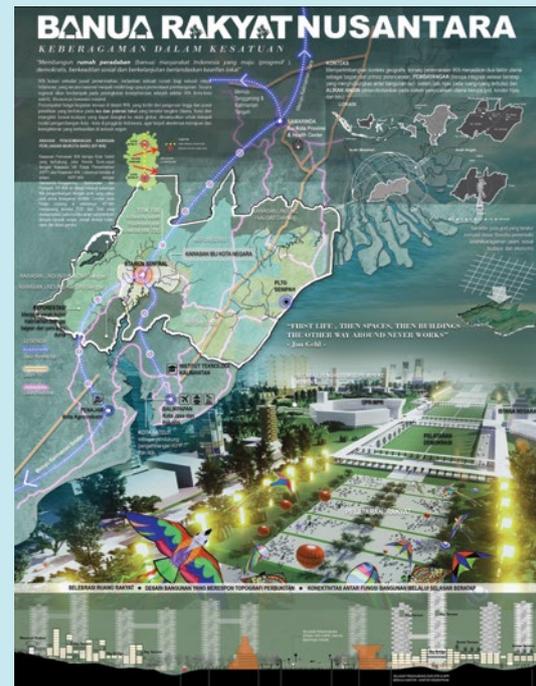
Originally from Indonesia, Pak Budi decided to study his PhD at the University of Melbourne due to the institutions' strong research background relating to architecture, urban development and city planning in the Asia Pacific area, including Indonesia.

He returned to Indonesia and taught at the Institut Teknologi Bandung (ITB) until 2005, when he moved into the role of expert advisor for the Ministry of Housing under the first period of Susilo Bambang Yudhoyono's Presidency.

In 2010 he returned to teach at ITB, becoming the Tourism Centre Head at ITB, before being appointed as a member of the Ministry of Tourism's task force from 2015 to 2017, where the team was asked to create 10 New Tourism Destinations nation-wide in Indonesia.

Currently the Head of the Landscape Architecture Master Study Programme at ITB's School of Architecture, Planning and Policy Development, he is also the founder of the Urban Landscape Hub (ULH), a research center that focuses on investigating urban development from a landscape and ecological perspective.

He simultaneously runs his own Architecture, Landscape and Master Planning firm, and has most recently received recognition for being one of the five winning projects in the prestigious design competition for a New Indonesia Capital City in East Kalimantan.



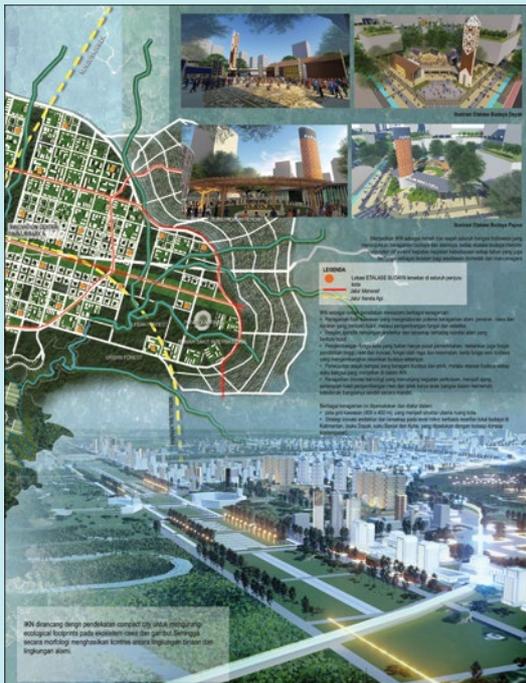
Images: Excerpts from Pak Budi's teams' entry into Indonesia's New Capital Design Competition, titled 'The Village of the People of the Archipelago'.



How did the New Capital Design Competition come to be?

The competition to move Indonesia’s capital city to East Kalimantan has come about due to increasing concern that Jakarta may not be able to continue to function adequately as both the administrative and business centre of the country. There are a number of issues at play, but perhaps the most alarming is the environmental and ecological issues faced by the city.

Jakarta is increasingly victim to intense flooding, and the city is gradually sinking. Research from ITB shows that since 1977, parts of Jakarta have sunk at a rate of up to 25cm per year. Huge population growth and rural-urban migration have also played a part, with city density impacting on the natural environment, straining resources and causing high levels of pollution. The city’s infrastructure has struggled to keep up with the rate of population growth, so I can see the logic in proposing to move the capital.



This competition has been the biggest and most prestigious design competition in Indonesia so far. There were about 700 entries from around the world. Kalimantan Island was chosen for the new capital because of its strategic and central location amongst the islands of Indonesia. Also, Kalimantan is relatively safe with regard to frequent earthquake disaster risk because it is the only island which is not part of the ‘ring of fire’ in Indonesia.

OUR PROPOSAL FOR THE NEW CAPITAL IS BASICALLY ABOUT ENHANCING THE UNIQUE WETLAND CHARACTER OF EAST KALIMANTAN, THEIR LOCAL CULTURE AS WELL AS CELEBRATING THE DIVERSITY OF ECOLOGY AND CULTURES OF INDONESIA FROM ACEH TO PAPUA PROVINCE.

You were part of one of the 5 winning teams in the competition. Can you tell me about your team’s entry and what you proposed?

Our entry is titled *Banua Rakyat Nusantara* which translates to *The Village of the People of the Archipelago*. Our proposal for the new capital is basically about enhancing the unique wetland character of East Kalimantan, their local culture as well as celebrating the diversity of ecology and cultures of Indonesia from Aceh to Papua Province. All of these issues are reflected in the spatial planning of our proposal for the New Capital of Indonesia. Since this new capital is relatively close to other existing big cities in East Kalimantan such as Balikpapan and Samarinda, our proposal integrates the new capital with those existing cities with regard to its spatial planning, its transportation system as well as its social and education system.

What are the next steps with regard to the New Capital Design?

The competition panel selected 5 winning schemes, with our project coming in as the 5th winner. At this stage, the government is keen to incorporate elements of all of these 5 top projects into the new capital development but, due to the pandemic, any actions have been delayed to an extent. We hope to hear further news of how aspects of our project will be taken forward into the final development.

How has Institut Teknologi Bandung’s partnership with the Faculty of Architecture, Building and Planning benefitted students at both institutions?

It has contributed a great deal towards all the students’ development and experience. I do believe exchanging experiences and knowledge amongst our students and faculties will not only broaden our horizon but also, more importantly, lead to strengthening the respect and understanding between different cultures and values.

OUR DONORS

SCHOLARSHIPS AND AWARDS IN PERPETUITY

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GIFTS IN YOUR WILL TO THE FACULTY OF ABP

The Faculty of ABP is grateful to its supporters
 who have made a gift in their will, so their legacy
 will enrich the lives of future generations.

Estate of John
 Stevens Gawler

Estate of Donald
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We have made our best attempt to ensure the list
 is correct, but we are aware that our records may not be
 complete. If you notice any errors or omissions please
 contact Andrew Middleton, Senior Development Manager,
 on **(03) 8344 3111** or **miaj@unimelb.edu.au**.

Image: Aengus Cassidy, 'Melbourne in lockdown'

BEEN & SEEN

MSDx Winter 2020

Despite 2020's many challenges, our students have continued to produce works of outstanding quality, covering all built environment disciplines. The Faculty proudly celebrated these achievements during MSDx Winter 2020 – held for the first time as an online exhibition. A virtual opening night including a live DJ set and speeches brought a sense of occasion to this online gathering.

As always, MSDx showcased hundreds of pieces of studio work – and now that they exist in the digital realm, they won't have to vacate their physical exhibition space and we can share them with a world-wide audience: msd.unimelb.edu.au/msdx/home. A veritable cornucopia of our student's best and most creative work is now at your fingertips – take your time exploring it and join us again for MSDx Summer 2020 in December.

(Virtual) Lunch with Alumni 2020

One of the many things that by necessity had to move online in 2020 were our mentoring programs – and so (Virtual) Lunch with Alumni was born, held in collaboration with our Built Industry Group student association. Over 100 alumni from around the world signed up to mentor 2-3 students over the course of a Zoom lunch break, passing on their knowledge and answering all our students' questions on how to make that crucial transition from studying into work life.

While these lunches only ran for one hour, they made a big impact on the 250 students that participated – "I found the experience incredibly rewarding. Being matched with a mentor working in the same field as I am studying gave me valuable insight into the transition between uni and work. I also got fabulous tips on how to get my first job and what makes a great portfolio", as one of our mentees put it. In a year that has been immensely challenging for all of us, we are grateful to our alumni whose support of our students has made an enormous difference.

MSD at HOME

Going online for all our events prompted the introduction of many exciting new initiatives, including our Faculty's most ambitious event series, MSD at HOME. Alumni, students and the built environment community joined us for the many events under this umbrella, offering a plethora of opportunities to find both practical advice and intellectual stimulation in the broad range of topics covered.

Numerous international and domestic speakers presented on their work and research into architecture and built environment design. **Melbourne Speaks** and the **ABP Research Conversations** put our academics up front and centre, showcasing the impressive breadth of our research: from the link between urban planning and bushfires to how COVID-19 will shape our cities and the role landscape architecture plays for climate adaptation. A series of online panels presented the crucial work of the University's Affordable Housing Hallmark Initiative.

Meanwhile, nearly 500 guests joined us in the various instalments of our property webinars that looked at how sections of the industry like residential housing or retail would respond to the COVID-19 crisis. Expert panels examined the state of the architecture and urban planning professions, while our Women of ABP Alumni Network looked at how issues stemming from COVID-19 helped companies launch initiatives that will improve employees' well-being in the long term.

Online panel conversations on vertical schools and the winners of this year's VIC AIA Heritage and Advocacy Awards completed one of the Faculty's most varied event programs so far. While we can't wait to welcome alumni and guests back on campus, we also look forward to staying in touch via these online seminars – particularly with our alumni interstate and overseas.

ICOMOS President's Award

The Faculty was delighted to learn Master of Architecture alum Meher Bahl had received the 2020 ICOMOS Australia President's Award in the category of Heritage Professional Winner for her work in developing and managing the Building Technology Heritage Library Scanning Project. Meher has also contributed significantly to the ongoing Building Materials Digitisation project at the ABP library, which has converted an assemblage of semi-derelict building materials and components via 3D digitisation into a useful reference collection and valuable teaching aid. Congratulations to Meher on her achievement!



Image above: Master of Architecture alum Meher Bahl, 2020 ICOMOS Australia President's Award Heritage Professional Winner.

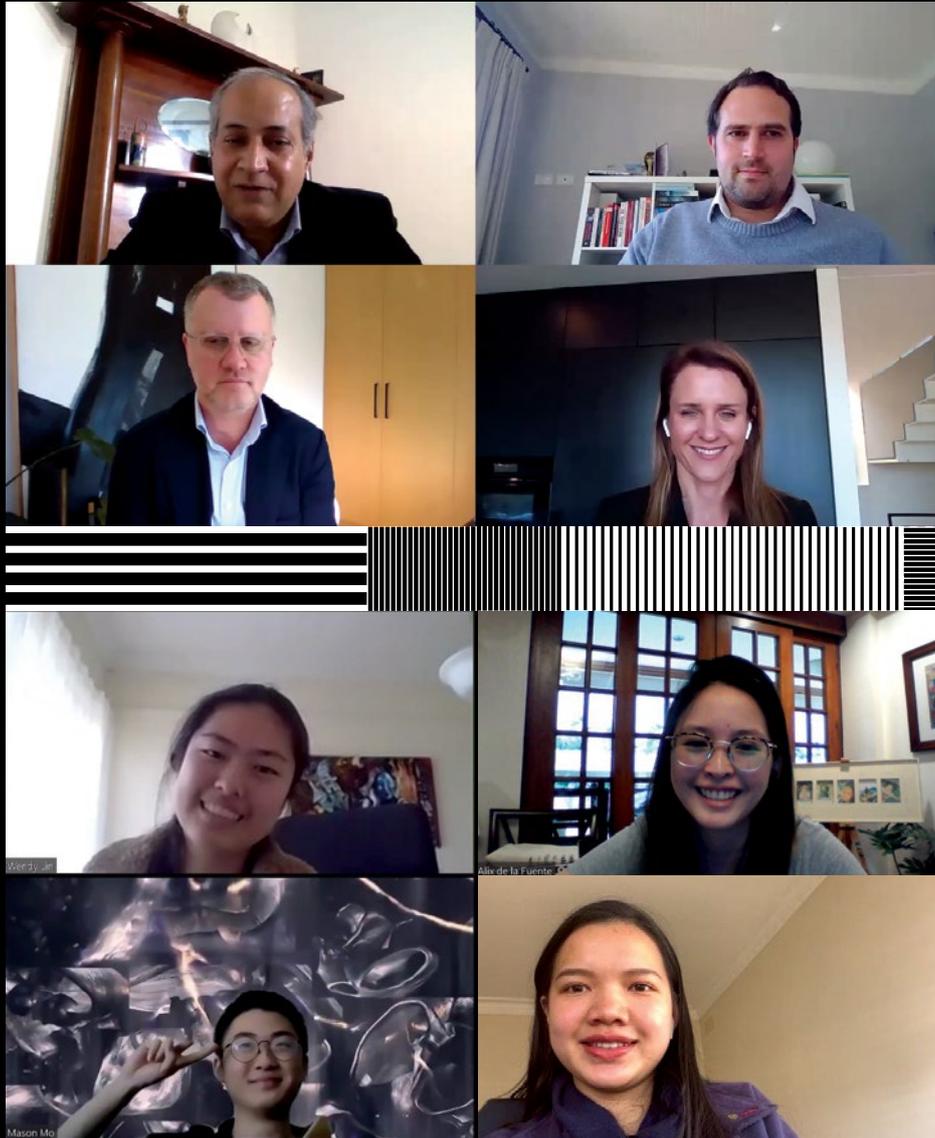
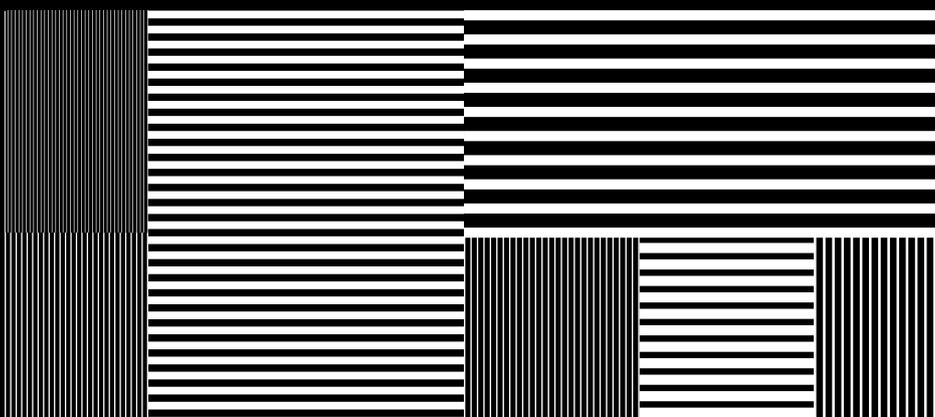


Image Top - MSD at Home: One of our many online events this year – Professor Piyush Tiwari hosts a panel on the Future of Residential Property with nearly 500 guests attending.

Bottom - Virtual lunch with alumni: Our Lunch with (Young) Alumni mentoring program seamlessly moved online, allowing even more alumni to support our students



INSIDE THE FACULTY

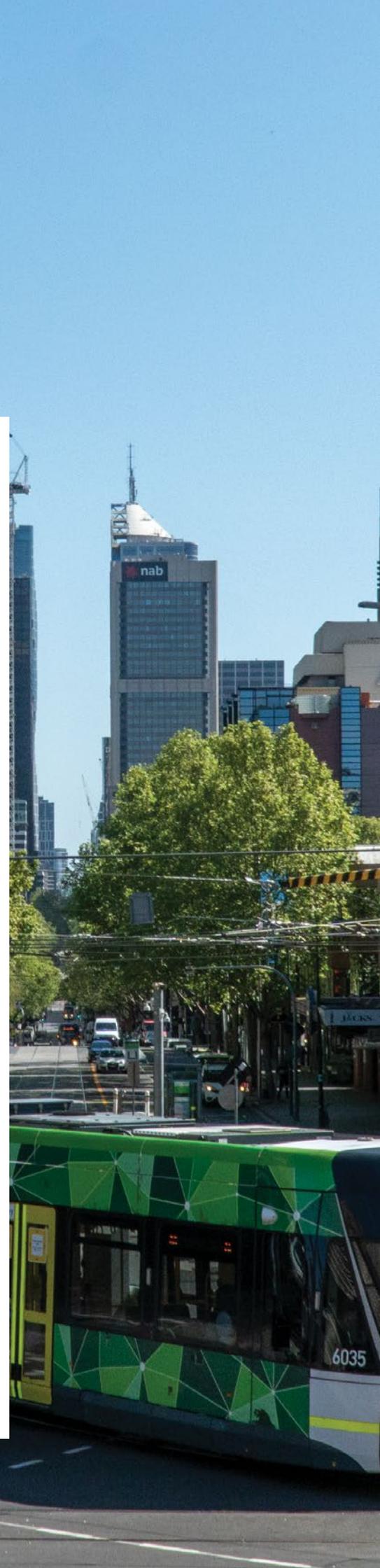
NEWS AND PEOPLE

Dr Julie Miao, Senior Lecturer in Property and Economic Development has [received a 3-year Discovery Early Career Researcher Award \(DECRA\)](#) commencing in 2021. Funded by the Australian Research Council, the [DECRA scheme](#) provides focused research support for early career researchers in both teaching and research, and research-only positions. The DECRA was awarded to Dr Miao in relation to her project 'Innovation infrastructure planning: future-proofing Australia's growth', which examines the role of planning in future-proofing Australia's economic growth.

Professor Piyush Tiwari, Dr Jyoti Shukla, Dr Djordje Stojanovic and Dr Georgia Warren-Myers have been [awarded inaugural research grants from the Australian Property Research and Education Fund](#) for their respective research projects. The grants will explore topics critical to the Australian property industry. Professor Tiwari, Dr Shukla and Dr Stojanovic submitted a project titled 'Urban densification through private land assembling in inner and middle suburbs for decentralised mixed/single use build to rent development'. Dr Warren-Myers, with Dr Lucy Craddock of QUT, submitted a project titled 'Valuation @ Risk'.

Dr Hannah Robertson and Associate Professor Rochus Hinkel in collaboration with the Olkola Aboriginal Corporation and interdisciplinary colleagues from the University of Melbourne, have been awarded a \$10,000 Melbourne Social Equity Institute Seed Grant towards their project [Getting Back On Country: Traditional Owner-Led Repatriation, Digitisation and Exhibition Design of Olkola Cultural Archives](#).

Dr Jason Thompson and Professor Mark Stevenson, alongside academic colleagues, coauthored an article for The Medical Journal of Australia titled '[Maximizing the probability that the 6-week lock-down in Victoria delivers a COVID-19 free Australia](#)'. Both academics contributed widely to the ongoing discourse concerning COVID-19 and the state of Victoria's response, including [modelling](#) used by the Victorian Government.





Dr Gao Shang, Professor Valerie Francis and **Dr Vidal Paton-Cole** have been awarded a 2020 Manchester-Melbourne research grant. The title of their submitted research project is 'Industry 4.0 for construction occupational safety and health (Con-OSH 4.0)'. The University of Melbourne and The University of Manchester Research Fund is an initiative of the respective Vice-Chancellors to enhance research collaboration between the two universities.

Dr Gen Ford organised a [petition](#) to Victorian Premier Daniel Andrews to consider allowing single people to form a social bubble during the COVID-19 lockdown. The petition received over 25,000 signatures, [gained coverage in news media](#) and contributed to the creation of a social bubble.

Dr Katrina Raynor co-authored an [article for Pursuit](#) discussing how 'People in share housing are struggling to cope in COVID-19'. This research received coverage in Australian news media including an article on [Domain](#) and an interview with [ABC Radio Melbourne's Breakfast](#) program.

Dr Jasper Wijnands and the Transport, Health and Urban Design Lab received [coverage in the MIT Technology Review](#) discussing their research using AI for urban planning, their GAN research, city typologies & their NHMRC grant.

Archana Ramesh (M.Arch student, 300pts) has been awarded the 2020 ANU Indonesia Project Research Travel Grant for her design research project entitled "[City as continuum: spatialising urban flow in Kelurahan Cipaganti, Bandung, Indonesia](#)", supervised by Amanda Achmadi. This project built on Archana's travelling studio experience to Indonesia (2019). The grants will be disbursed once Australia's travel ban is lifted and it is safe to travel to Indonesia.

Work by **Associate Professor Kate Tregloan** and the BEL+T team was [featured on Distance Design Education](#). The presentation focused on implementing distance learning design support for architecture and design at the University of Melbourne, and is based on work presented in the article [BEL+T designs a DIagram ... a relational framework for teaching online](#), outlining both the vision of the team as well as the tactics they used to support change in practice and thinking about supporting student learning.

Alum **Richard Maddock** (M.Arch, 2013) has [been awarded](#) the AV Jennings Churchill Fellowship to 'explore the use of traditional Japanese wood-only joints in modern robotic building construction – Japan, US, Canada, Germany, Switzerland, Italy, Austria'. A Churchill Fellowship offers Australian citizens an opportunity to travel overseas for four to eight weeks to explore a topic or issue that they are passionate about. As an internationally recognised award, recipients gain access to expertise from around the world.

Following the success of the ABP Sustainable Development Goals, Climate Change and Cities Symposium, curated by **Dr Cathy Oke, Dr Judy Bush** and **Associate Professor Anna Hurlimann**, the Connected Cities Lab and the City of Melbourne will [work together to implement the United Nations' Sustainable Development Goals \(SDGs\)](#). The 17 goals will be used to review and benchmark the way the city is addressing global challenges such as poverty, climate change, clean energy, sustainable buildings, economic development and water use.

Image: Aengus Cassidy,
'Melbourne in lockdown'



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