

ADM+S SYMPOSIUM 2022

AUTOMATED SOCIETIES

WHAT DO WE NEED TO KNOW?

20-22 July 2022

RMIT University & Online

admscentre.org.au/symposium2022

EVENT PROGRAM

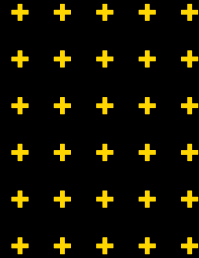
#ADMS2022

ACKNOWLEDGEMENT OF COUNTRY

In the spirit of reconciliation, the ADM+S Centre acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea, and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

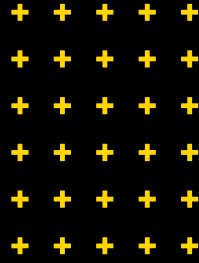


Artwork 'Luwaytini' by Mark Cleaver, Palawa



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DIRECTORS' WELCOME

Womin djeka! (Welcome!)

Hosted by the ARC Centre of Excellence for Automated Decision-Making and Society, 'Automated Societies: What do we need to know?' showcases the Centre's uniquely cross-disciplinary approach to understanding digital decision-making.

We look forward to exploring critical current and emerging questions, challenges, and conceptual problems across a broad terrain, from the consequences of the pandemic to the new wave of regulation, and the fast-moving state of key technologies, systems, and infrastructures.

You will hear from ADM+S researchers, partners and collaborators through a diverse mix of keynote presentations, panel discussions, interactive workshops, film screenings, book launches, and other exciting satellite events.

We look forward to seeing you, either in person or online, at our 2022 Symposium.



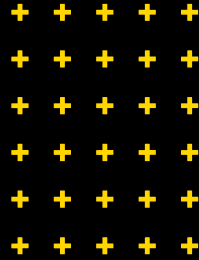
**Distinguished Professor
Julian Thomas**
Centre Director



Professor Jean Burgess
Centre Associate Director

OUR PARTNER ORGANISATIONS





COVID-SAFE INFORMATION

The Symposium is a hybrid event with all attendees able to watch and participate in the proceedings online via live-stream links.

For those attending in person, the following protocols are designed to ensure that all Symposium activities can be done safely and prevent the spread of COVID-19. The latest information and guidance from RMIT University is available at rmit.edu.au/covid

Face mask requirements

Face masks are no longer mandated by the University for most activities however masks are still highly recommended in indoor settings. Masks (including N95 masks) will be provided to all Symposium attendees and we encourage everyone to wear a mask (other than when eating, drinking, or speaking at a panel or workshop).

Ventilation

RMIT is fully compliant with Victorian Government advice for ventilation, including:

- Well maintained and operated air conditioning and ventilation systems to help reduce the risk of virus transmission. RMIT's heat, ventilation and air-conditioning (HVAC) systems are very well maintained under the comprehensive planned preventative maintenance (PPM) contract with Airmaster (air-conditioning system).
- Regular inspections, maintenance and cleaning of all air conditioning and ventilation systems. This is also included in the PPM activities completed by Airmaster.

The Miscellania venue also has well maintained air-conditioning and ventilation systems.

Air quality monitoring program

RMIT has initiated an indoor air quality (CO₂) monitoring program to monitor each of the indoor spaces across RMIT. The monitoring is live and the monitoring devices are rotated to ensure all spaces are monitored. Any adverse readings will be remediated promptly and attendees kept up to date. RMIT is prioritising air quality monitoring in the Symposium venues during the event.

Room capacity limits

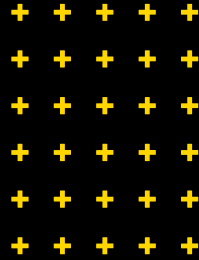
All rooms will be operated within the designated capacity. There are currently no limits in lifts at RMIT, however all venues are accessible via either lifts and open stairs.

Sanitiser and cleaning

As well as providing every attendee with their own small supply of sanitiser so they can sanitise any furniture or equipment before use, additional sanitiser will be available in every venue including Miscellania. During panels, wherever possible, we will sanitise mikes before they are used by a second user, however attendees may also wish to take this precaution and use sanitiser on any equipment before using it. Cleaners will clean common, high-touch areas every two hours and provide a sanitising clean overnight. Miscellania is also deep-cleaned every day and all surfaces are sanitised after every show, as well as during events.

Rapid antigen testing

Rapid Antigen Tests (RATs) will be available to anyone who feels unwell during the event or who is concerned about being exposed to a positive case.



Vaccination

With high vaccination rates among the RMIT staff and student population and a range of safety measures in place, RMIT has now removed its vaccination requirements. Staff, students and visitors are no longer required to be vaccinated or hold a valid medical exemption to attend the RMIT City campus.

Contact tracing

The RMIT Public Health team will be responsible for all positive case management, including contact tracing and communications. If you test positive to COVID-19 within 7 days before the event, please do not attend in person. If you test positive to COVID-19 during the event, you will be required to immediately isolate and complete RMIT'S [positive case form](#), which will be sent to the RMIT Public Health Team. The Public Health Team will then manage investigations and all communications regarding exposures on the campus.

Travel

If you are travelling to the event, please consider your own safety and consider wearing an N95/P2 mask at airports and during airplane travel and in shared spaces such as lifts, vehicles, taxis, buses and other ground travel. You may wish to request in advance that windows be at least partly open on both sides of vehicles prior to arrival, the driver be in a mask, and vehicle air-conditioning set to fresh air intake.

Know where you are going

Maps of all event venues have been provided within this program.

Acknowledgement of fitness to attend campus

By attending an RMIT Campus you acknowledge and agree that you do not have any COVID-19 symptoms and that you are not in a category of risk for transmission. That is:

- + You do not have any symptoms of COVID-19.
- + You have not had close contact with a confirmed COVID-19 case in the last 7 days.
- + You are not currently required to isolate.
- + You are not aware of any other circumstances which makes you reasonably believe you are high risk of transmitting COVID-19.

If any of the above circumstances apply, we ask you not to attend campus, and to see a doctor or medical professional. Please call the COVID-19 hotline (**1800 020 080**) for advice and consider getting a COVID test.

Other guidelines

Please adhere to good hygiene and physical distancing practices wherever possible.

As this is a hybrid event, please ensure you use the roving microphones when asking questions or speaking from the audience.

USEFUL INFO

CONNECTING TO RMIT WI-FI

We have set up an event network specifically for the Symposium. When you come onto campus you may connect to RMIT-Guest and enter our event code listed below:

410118

TWITTER HASHTAG

Follow along on Twitter at [#ADMS2022](https://twitter.com/ADMS2022) and follow the ADM+S Centre [@AdmsCentre](https://twitter.com/AdmsCentre)

IMPORTANT DATES

6 June 2022	Registrations open
18-19 July 2022	Satellite workshops
20-22 July 2022	Symposium



REGISTRATION INFORMATION

All prices in AUD

In-person attendees	\$350
In-person concession rate	\$150
Online attendees	Free
ADM+S members (in-person and online)	Free

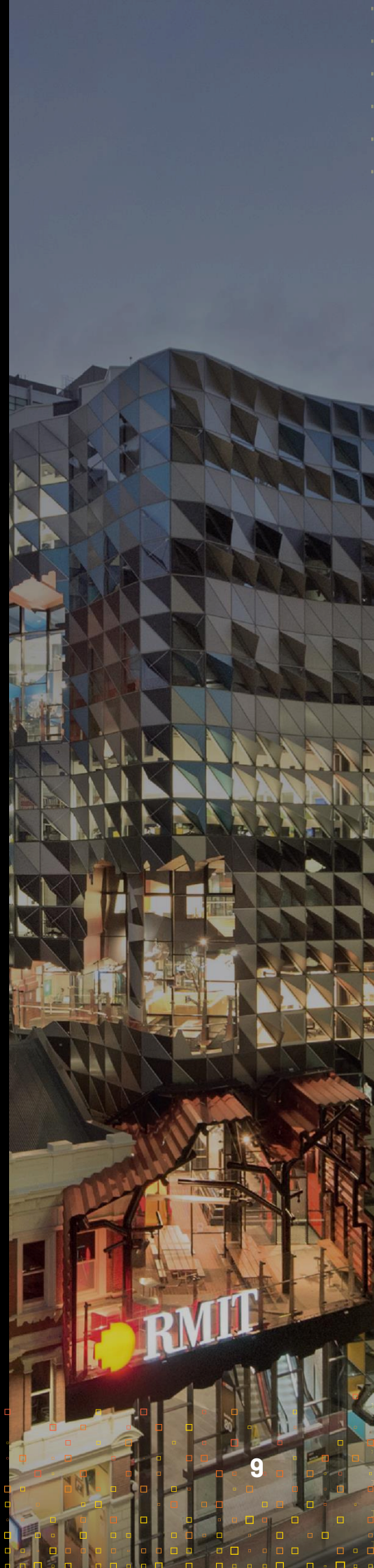
The Centre is offering a limited number of free tickets for people affected by financial hardship. Please contact the event organisers via admsevents@rmit.edu.au for more information.

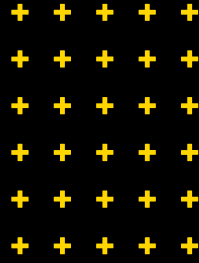
All attendees must register individually to provide dietary and access requirements and confirm their ability to comply with RMIT University's COVID-safe requirements. Your registration will provide access to all sessions held during the full three-day public event.

Registrations for our satellite workshops and evening events will be ticketed separately. Please visit our events page at admscentre.org.au/events for more information on these workshops.

admscentre.org/2022symposiumregistration

Register →

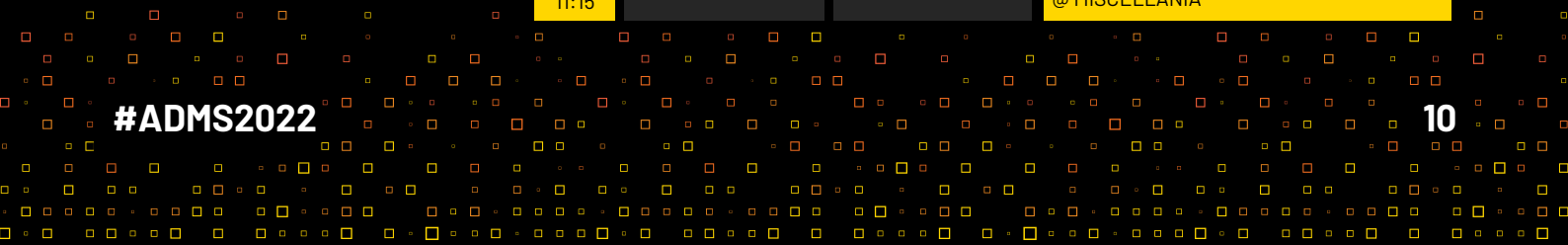


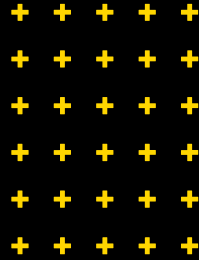


SCHEDULE

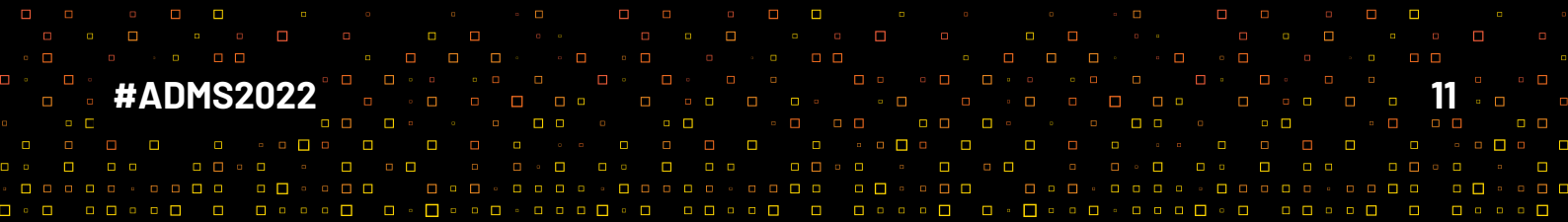
	Storey Hall Auditorium
	Green Brain
	Kaleide Theatre
	Oxford Scholar (satellite workshops)
	Special event (location specified)
	Storey Hall Foyer (catering)

		Satellite Workshops		Day 1: Wednesday 20 July	
		Monday 18 July	Tuesday 19 July	STREAM 1	STREAM 2
	8:15			Registration & coffee/tea	
	9:00	WORKSHOP Digital Inequality and Automated Decision-Making @ Oxford Scholar		Welcome to Country by David Tournier & Opening Remarks	
	9:30			KEYNOTE Ms Malavika Jayaram, Digital Asia Hub	
	10:15			Morning tea	
	10:45			PANEL Journalism and ADM: From hype to reality	PANEL Sex / Tech / Data / Health
	12:15			Lunch	
	12:45				Poster presentations
	1:15			KEYNOTE Professor Frank Pasquale, Brooklyn Law School	
	2:00			PANEL Automating Precarity: Labour, logistics, technology	SHOWCASE Humanitech Lab
	3:00			Afternoon tea	
	3:15			WORKSHOP Dialogues: Discovering keywords and building new socio-technical literacies for ADM @ Oxford Scholar	
	3:30		PANEL Algorithmic culture and recommender systems in screen and entertainment media	PANEL Care and Automation: experiences, tensions, and possibilities	
	5:00		COCKTAIL RECEPTION @ Kaleide Foyer		
	5:15				
	6:00		SCREENING Future Automated Mobilities: film screening & report launch		
	7:30				
	8:00		SPECIAL EVENT Logical Conclusions / Automated Effects: An evening of live performances, installations, and presentations @ MISCELLANIA		
	11:15				



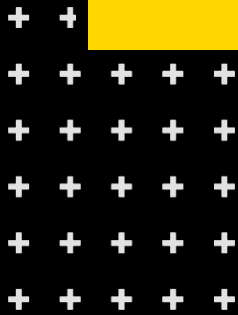


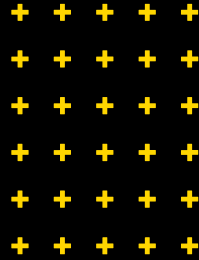
Day 2: Thursday 21 July				Day 3: Friday 22 July		
	STREAM 1	STREAM 2	STREAM 3	STREAM 1	STREAM 2	STREAM 3
8:15	Coffee/tea			Coffee/tea		
9:00				PANEL Using risk-related approaches to regulate ADM and Decision Support Systems: One way road or several regional approaches?	WORKSHOP Re-imagining Automated Care Through Arts-based Methods	ROUNDTABLE AND WORKSHOP The Implications of ADM on Humanitarian Futures
9:30	KEYNOTE Professor Karen Yeung, University of Birmingham					
10:15	Morning tea			Morning tea		
10:30						
10:45	PANEL Space and ADM: Cultural and political geographies of automation	PANEL Fairness, Equity and Bias: Interdisciplinary perspectives	PANEL Logical Conclusions/ Automation Effects: artist and curators panel	KEYNOTE Dr Melissa Gregg, Intel		
11:00				Best Poster Prize		
11:45				Lunch		
12:00				Lunch		
12:15	Lunch					
12:45				BOOK LAUNCHES Everyday Automation & Everyday Data Cultures		
1:15	KEYNOTE Professor Cheryl Soriano, De La Salle University			PANEL Decentralised Autonomous Organisations	PANEL Will Digital Tech Solve the Climate Crisis?	
2:00	LAUNCH ADM+S Working Paper Series	WORKSHOP Tech Industry Careers				
3:00	Afternoon tea			Afternoon tea		
3:30	PANEL Trust in Automated Decision-Making	PANEL ADM and Civil Liability	PANEL Platform Futures: Ex post and ex ante tools in the regulatory toolkit			
5:00						
6:30	COCKTAIL RECEPTION @ Capitol Theatre Salon					
7:30	PANEL Automated Societies: What do we need to know? @ Capitol Theatre					
9:00						



KEY CONTACTS

Emergencies	Ring 000
RMIT Security	<p>Emergencies Ring 000, then call Campus Security on +61 3 9925 3333</p> <p>General enquiries +61 3 9925 3895</p> <p>Email security@rmit.edu.au</p> <p>Address Security Reception, Building 5, Level 1 (entry via Chemistry Lane), City campus</p>
RMIT Covid Hotline	1800 020 080
ADM+S Staff	<p>Symposium enquiries admsevents@rmit.edu.au</p> <p>Matt Warren Outreach and Partnerships Officer +61 459 570 869</p> <p>Nick Walsh Chief Operating Officer +61 428 566 602</p>





KEYNOTE SPEAKERS



DR MELISSA GREGG
INTEL

THE ECOLOGICAL IMPACT OF AN AUTOMATED SOCIETY

Chair: Jean Burgess

This talk provides an introduction to the energy and ecological costs that are growing alongside the deployment of AI in society, from the individual choices made by technology consumers to the challenges involved in managing workloads in data centers. The current trajectory of AI adoption, including the hype around specific applications of this technology, rarely acknowledges the material pressure on planetary resources to support a fully automated and immersive digital future. This talk draws on my current work setting up Intel's first Sustainability Office for software in the Office of the CTO to highlight three areas of utmost importance for industry standardization in a volatile climate future: industry-wide tools for measuring and reducing carbon, circular business models to supplement recycling policies for e-waste, and an engineering curriculum informed by humanities principles of equity and social justice.

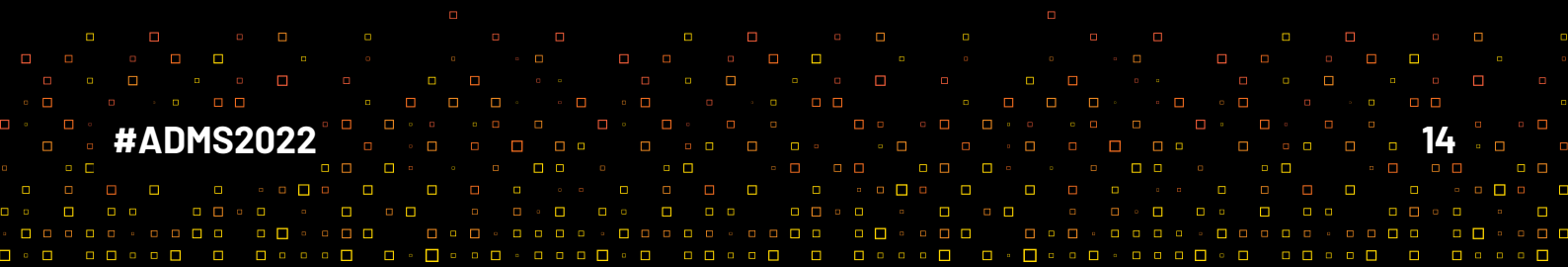


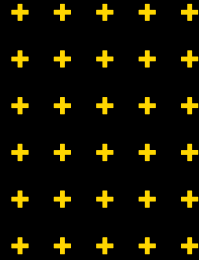
**MS MALAVIKA
JAYARAM**
DIGITAL ASIA HUB

UNGOVERNABLE ("OTHER" IS NOT A CATEGORY, OR IS IT?)

Chair: Julian Thomas

States have long sought to make their citizens legible. Big data and automation have accelerated and sharpened the ability of governments to count, categorize and control populations, often aided by the private sector. These attempts at sensemaking tend to break down at the margins, where outliers and exceptions defy attempts at neat social sorting and ordering. These glitches and gaps can be hugely consequential for those whose claims and rights are diminished by invisibility ("If you're not counted, you don't count"). Equally, they can protect those who gain agency and safety in liminal spaces, away from the official gaze. By looking at spaces of precarity and contestation, especially in the majority world context, we get a glimpse of the myriad ways in which individuals and collectives resist boxes that neither represent nor empower them, and negotiate the spectrum between inclusion and exclusion, visibility and invisibility.





PROFESSOR FRANK PASQUALE
BROOKLYN LAW SCHOOL

THE GENERATIVE POTENTIAL OF RIGHTS TO INFORMATION ACCESS IN AN ERA OF DIGITIZED JUDGMENT

Chair: Mark Andrejevic

Individuals' rights to access information held about them by corporations are a long-standing feature of privacy law and fair information practices. Jurisdictions around the world are now expanding those rights in response to the increasing number of digitized judgments now affecting persons in their roles as consumers, workers, borrowers, and internet users. Australia initiated a statutory review of the Consumer Data Right in 2022. As agencies and courts interpret and apply these rights, they face a growing backlash from critics who emphasize costs of compliance and minimize individual benefits. As policymakers weigh the costs and benefits of rights to information access, they need to bear in mind their social and long-term benefits, to fairly recognize their generative potential going forward. Associations in civil society, including news outlets and academic researchers, are particularly important collaborators with citizens to ensure that access rights can be aggregated and coordinated in order to discern important patterns and propose plans for redress.

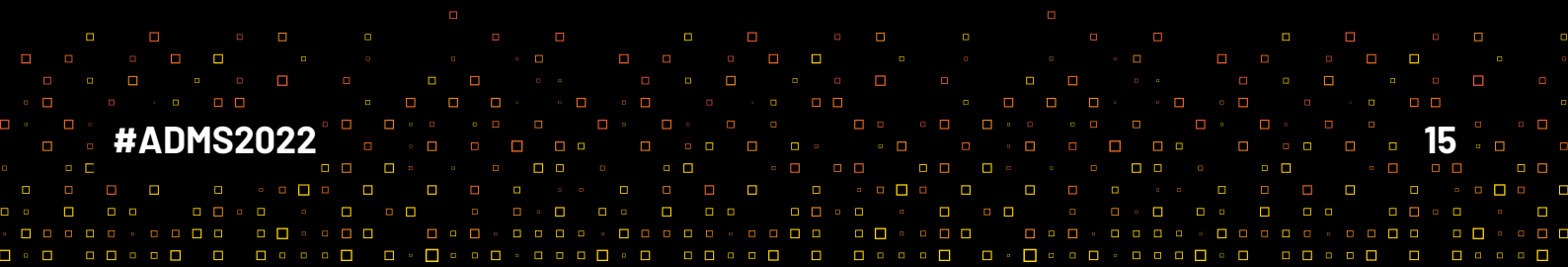


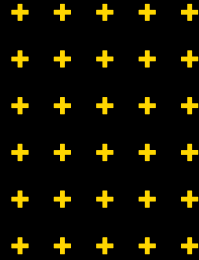
PROFESSOR CHERYLL SORIANO
DE LA SALLE UNIVERSITY, PHILIPPINES

BEYOND THE PLATFORM'S ALGORITHMIC POWER: CONSTRUCTING TRUST, CONTROL, AND CAPITAL IN WORKER-PLATFORM, WORKER-CLIENT, AND WORKER-WORKER COMMUNICATIVE RELATIONSHIPS

Chair: Heather Horst

The controls wielded by crowdwork platforms via algorithmic power and the resulting precarious conditions that these facilitate has been emphasized by scholarly research over recent years. This is matched by theorizing that captures the expressions of agency, resistance and collective organization among workers in ways that simultaneously challenge and reinforce some of these platform controls. One of the understudied aspects in the exploration of platform workers' lived conditions amid dialectical power relations pertains to workers' communicative relationships with their clients and other workers. Although the platform's power emerges in the techno-social control it wields in the trilateral relationship of platform, workers, and clients, the situated intercultural relationships between workers (often based in the Global South) and their clients (often based in the Global North) and the interpersonal relationships between workers shape a significant dimension of the platform labor conditions and experience.



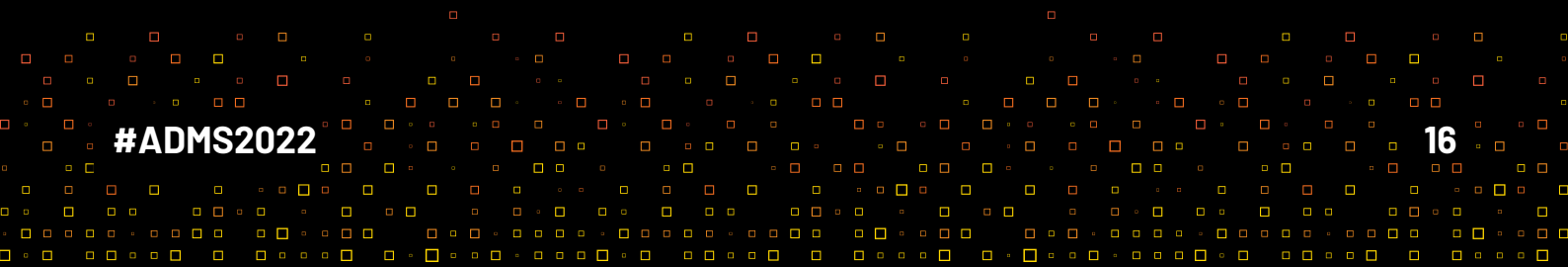
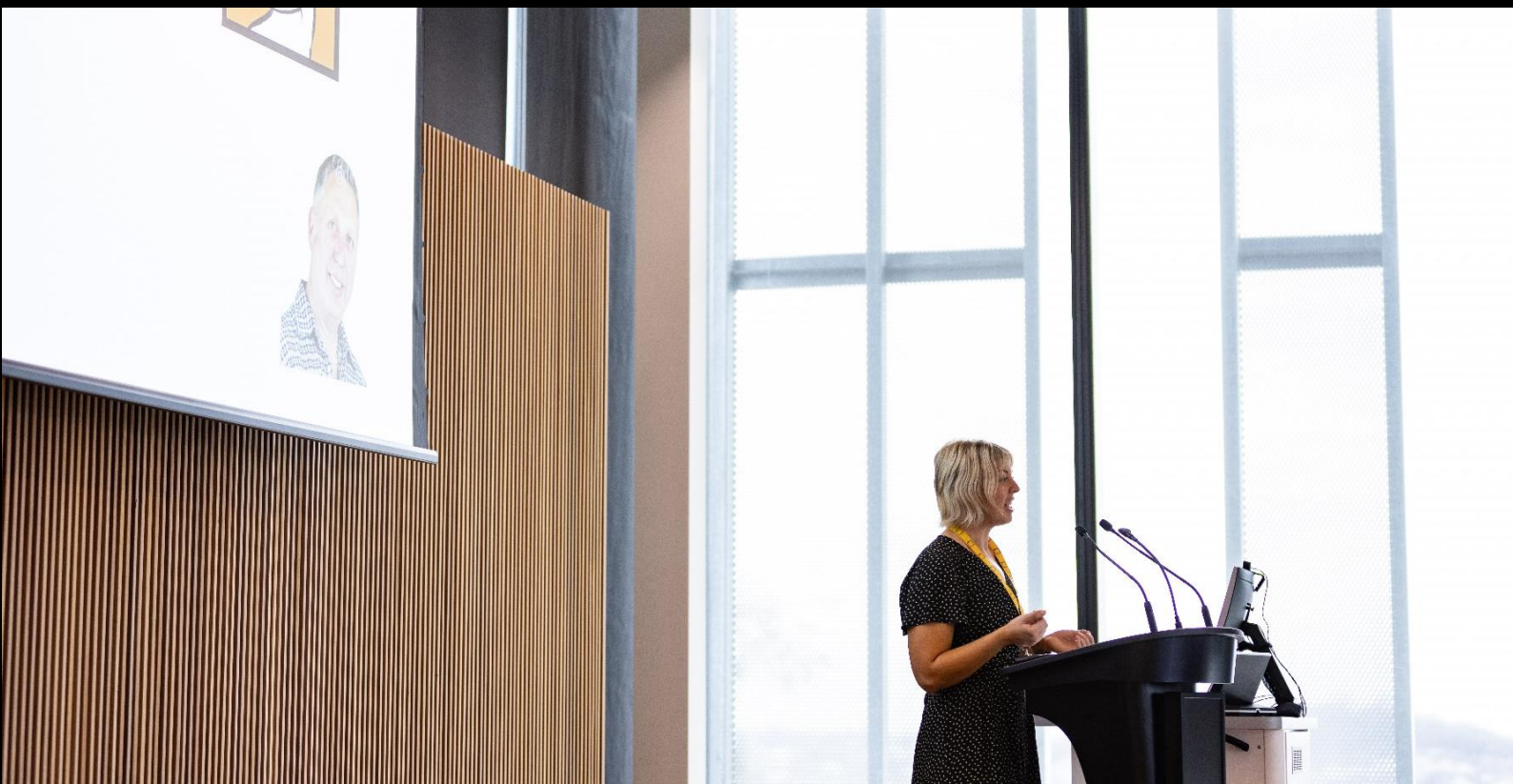


**PROFESSOR KAREN
YEUNG**
UNIVERSITY OF
BIRMINGHAM

OPERATIONALISING TRUSTWORTHY AI GOVERNANCE: BEYOND MOTHERHOOD AND APPLE PIE?

Chair: Christine Parker

In recent years, 'AI ethics' codes have proliferated from a wide variety of sources, ranging from those published by individual tech firms through to collective initiatives from European and international policy-makers, including the EU, UNESCO and the OECD. After years of successful lobbying by Big Tech claiming that voluntary self-regulation via ethical codes of this kind will address public concerns about the unwanted and unwelcome impacts of AI, the tide is beginning to turn. Recent legal proposals issued by European policy-makers indicate that they now recognise that, left to its own devices, the market cannot be relied upon to protect the fundamental values upon which the European project is founded from the potential threats generated by unregulated AI applications. Yet serious challenges arise in converting the noble principles which these proposed laws claim to uphold into on-the-ground practice. Will the adoption of these proposed laws in fact deliver on the noble, aspirational values that are claimed to underpin them? In this keynote, Karen will reflect critically on the proposed conceptual vehicles and regulatory architecture through which those aspirational principles are translated into practice, arguing that there are serious dangers that these well-intentioned legal initiatives will fall far short of their claimed objectives.



SPECIAL EVENTS

Many of the following special events, film screenings, and workshops are ticketed separately to the main program and may have limited places available. Please note the registration process for each event.

AUTOMATED SOCIETIES

WHAT DO WE NEED TO KNOW?

Thursday 21st July @ The Capitol Theatre

Cocktail reception

6:30pm

Panel

7:30 – 9:00pm

Artificial intelligence (AI) has probably already made decisions about your life. Platforms use AI and other forms of automation to recommend music for you to listen to on Spotify, to personalise your news feed, and recommend things to buy on Facebook. AI and automated decision-making are also being used across society to solve problems as diverse as improving social services, creating more efficient transport, and providing greater access to healthcare. AI and automation are changing the way we live, and if AI hasn't already made a decision that affects you, it almost certainly will, whether that be shaping what you see on social media, providing better disease diagnosis, or detecting if you are driving safely.

This panel will bring together internationally recognised experts and industry participants to discuss the opportunities of Automated Societies and explore the question: what do we need to know?

admscentre.org/automated-societies-panel

Register →

Host: Dr Jenny Kennedy, RMIT University

Panellists: Kate Bower, CHOICE

Dr Melissa Gregg, Intel

Penny Harrison, Australian Red Cross

Malavika Jayaram, Digital Asia Hub

Professor Anthony McCosker, Swinburne University of Technology

LOGICAL CONCLUSIONS / AUTOMATION EFFECTS

AN EVENING OF LIVE PERFORMANCES,
INSTALLATIONS, AND PRESENTATIONS

Wednesday 20th July @ MISCELLANIA Club

Event

8:00 - 11:15pm

What is the cultural logic of automation, and what are its logical conclusions? Can 'automation effects' be performed, in the Brechtian sense of 'estrangement effects', in order to induce more critical and reflexive (computational) attitudes? Could the estrangement of automation be deployed against the increasingly pervasive automation of estrangement? Can automation be made strange again?

Taking place at MISCELLANIA club, across the road from RMIT, this experimental program invites artists, musicians, poets and other cultural producers to think with and against the logics of automation through live performances, installations and presentations. Later in the program, the artists reconvene with curators Laura McLean and Joel Stern to discuss their works.

We are interested, among other things, in art's capacity to operate non-didactically, improvisationally, satirically, and paradoxically, and how this might trouble or subvert systems designed to extract, aggregate, model, and predict - and in so doing, shape the production and reproduction of culture. We are interested in automation countercultures whose experiments resist the demands of seamless optimisation and accumulation, instead offering alternative logics and conclusions, embracing accidents and indecision, producing other effects. in society

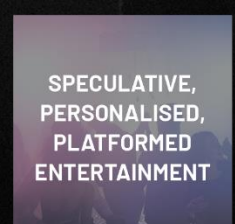
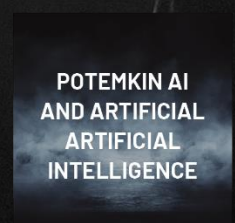
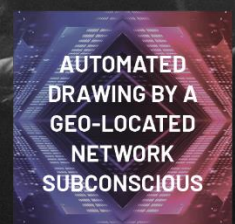
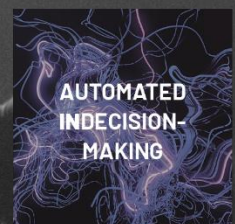
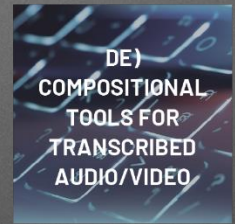
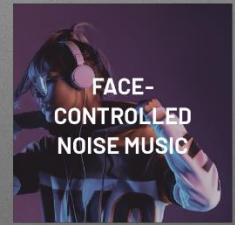
admscentre.org/logical-conclusions-automation-effects

Register →

Conveners
Professor Mark Andrejevic, Monash University
Laura McLean, Monash University
Dr Joel Stern, RMIT University

Artists

Monica Lim	Emile Zile
Dr Sean Dockray	Zacharius Szumer
Mara MacDonald	Dr Jathan Sadowski
Dr Vaughan Wozniak O'Connor	Tom Smith
Sahej Rahal	Karen Ann Donnachie & Andy Simionato
Roslyn Orlando	akka (Shareeka Helaluddin)



FUTURE AUTOMATED MOBILITIES

FILM SCREENING AND REPORT LAUNCH

Wednesday 20th July @ Kaleide Theatre

Cocktail Reception 5:00pm @ Kaleide Foyer

Screening 6:00 - 7:30pm

Join us for a glass of wine and some canapes, sit back and relax as we premiere a series of short films and the official launch of our Transport & Mobility Scoping Study Report.



FLIGHT PATHS, FREEWAYS, AND RAILROADS

is a series of 3 short documentary films exploring how blind, deaf and neuro-diverse participants currently experience transport mobilities and how automated technologies might be part of their future lives.



HIGHWAY TO THE SKY

documents a speculative arts workshop with neuro-diverse participants as they use collage and painting to imagine future transport mobilities.

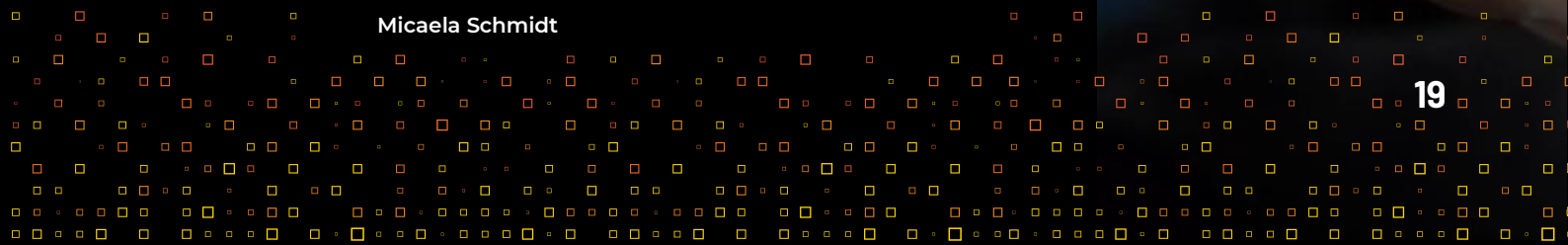
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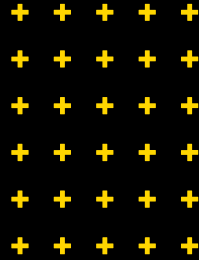
Register →

Host Professor Sarah Pink, Monash University

Presenters Jeni Lee, Monash University
Dr Emma Quilty, Monash University

Panellists Orhan Karagoz, University of Melbourne
Brenton Lillecrapp
Darren Moyle, Vision Australia
Micaela Schmidt





WORKSHOPS

DIGITAL INEQUALITY AND AUTOMATED DECISION-MAKING

Mon 18 July @ 9:00am-
5:00pm

Oxford Scholar

Registrations closed

Dr Indigo Holcombe
James, RMIT University

Dr Jenny Kennedy,
RMIT University

This full-day workshop aims to bring together those working on digital inclusion and automated decision-making across multiple disciplines to trace new connections and concerns.

With automated systems increasingly mediating decision-making across many domains of the digital society, the 'scene of struggle' is widening and deepening. Concerns about digital inclusion and exclusion are in this way exacerbated by automation. The continued uptake of automated decision-making (ADM)—with these decisions in part based on data derived from digitally included participants—raises specific questions about the consequences of digital exclusion. How does digital inclusion (and, by extension, how does digital exclusion) inform how people experience ADM? Whose digital practices are informing ADM, and whose are left out? What might a focus on digital inclusion and exclusion tell us about how institutions can promote responsible, ethical, and inclusive ADM? How might machines such as recommender systems consider digitally excluded and non-users? And what data models, processes, and capacities does an attunement to digital exclusion reveal?

DIALOGUES ON AI: DISCOVERING KEYWORDS AND BUILDING NEW SOCIO-TECHNICAL LITERACIES

Tues 19 July @ 3:15-
5:30pm

Oxford Scholar

Registrations limited

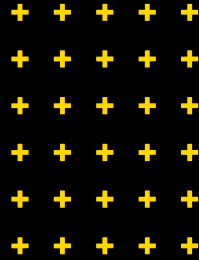
Register

Professor Anthony
McCosker, Swinburne
University of
Technology

The language surrounding new technologies matters. Artificial intelligence (AI), algorithm, big data and automated decision making (ADM) are buzzwords that carry substantial weight public and policy conversation. However, they are also unfixed, intermingled and unclear and even contested among different research communities. The picture becomes even messier and potentially more exclusionary when we add value laden concepts like bias, fairness, harms, justice, trust and trustworthiness, transparency, engagement, responsible, learning, expertise, inclusion, vision, work, learning, care (etc) in relation to the things that data, algorithms, AI and ADM systems do in the world – and how they do it.

In the tradition of Raymond Williams' Keywords project this workshop aims to explore the tensions, ambiguities and ambivalences surrounding the language of automation and AI. This will involve parking our disciplinary lenses and thinking about the way these new technologies reverberate. The goal is to take this into new modes of public engagement, translation and outreach, and to inform our research design.

admscentre.org/dialogues-workshop



**RE-IMAGINING
AUTOMATED CARE
THROUGH ARTS-
BASED METHODS**

**Fri 20 July @ 9:00-
10:30am**

Green Brain

Registrations limited

Register

This workshop is a parallel and complementary event to the 'Care and Automation' panel. It involves inviting participants to engage with hands-on arts-based methods to think through, problematise and contest imaginaries and practices of automated care as well as developing future-oriented ideas about possibilities for better automated care. In doing so, they will be learning about these methods through participating, with the potential to apply them in their own work (whether this is academic, community sector or industry based).

admscentre.org/reimagining-automated-care-workshop

Cecily Klim, University of New South Wales

Professor Deborah Lupton, University of New South Wales

Dr Megan Rose, University of New South Wales

Dr Ash Watson, University of New South Wales

Vaughan Wozniak-O'Connor, University of New South Wales

**TECH INDUSTRY
CAREERS**

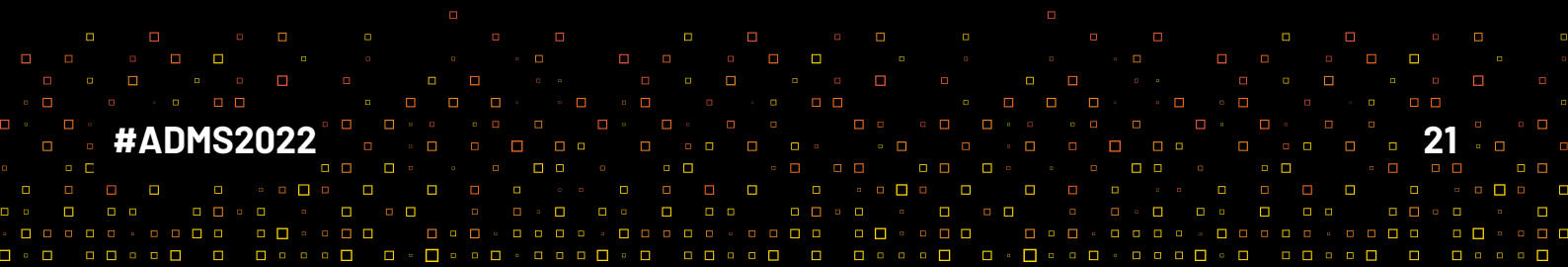
**Thurs 21 July @ 2:00-
3:00pm**

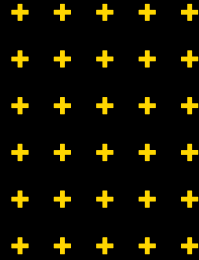
Green Brain

Melissa Gregg is a Senior Principal Engineer at Intel, based in the United States, and has an international reputation for her research in the area of technology, work and human factors. She is also a member of the ADM+S Centre's International Advisory Board.

This one-hour workshop will feature a Q & A session on careers in the tech industry.

Dr Melissa Gregg, Intel





BOOK LAUNCHES

Thursday 21st July @ Storey Hall Auditorium

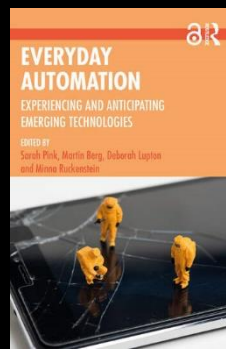
Launch

12:45 – 1:15pm

This event is open to all Symposium attendees and registration is not required. Join us as we launch two exciting new publications from our ADM+S researchers.

EVERYDAY AUTOMATION: EXPERIENCING AND ANTICIPATING EMERGING TECHNOLOGIES

Edited By Sarah Pink, Martin Berg, Deborah Lupton, Minna Ruckenstein



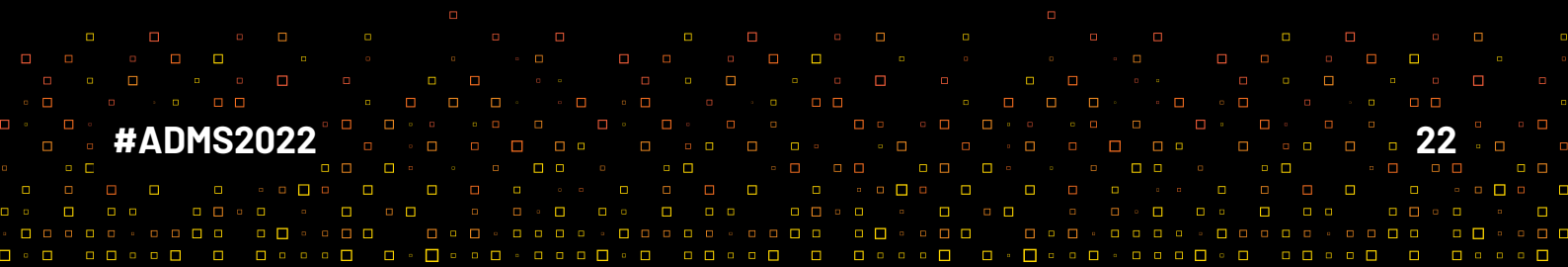
This open access book brings the experiences of automation as part of quotidian life into focus. It asks how, where and when automated technologies and systems are emerging in everyday life across different global regions? What are their likely impacts in the present and future? An international team of leading scholars bring together research developed across anthropology, sociology, media and communication studies and ethnology, which shows how by rehumanising automation, we can gain deeper understandings of its societal impacts.

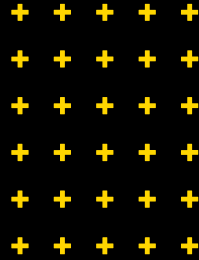
EVERYDAY DATA CULTURES

Jean Burgess, Kath Albury, Anthony McCosker, Rowan Wilken



Covering topics ranging from gig worker activism, wellness tracking with sex toys, and TikTokkers' manipulation of the platform's algorithm, this lively and empirically grounded book tells the story of how ordinary people are playing a significant role in cultivating, shaping, resisting, and negotiating the datafication of society. The book establishes a new theoretical framework for understanding the ordinary experiences and political possibilities of data and automation in everyday life. Considering alternative data futures, it offers guidance on the ethical responsibilities we share as we learn to live together with data-driven machines.





PANELS, SHOWCASES AND ROUNDTABLES

DAY 1: WEDNESDAY 20 JULY

JOURNALISM AND AUTOMATED DECISION- MAKING: FROM HYPE TO REALITY

20 Wed July @ 10:45am

Storey Hall Auditorium

Nick Evershed, The
Guardian

Professor Wiebke
Loosen, Hans Bredow
Institute

Dr James Meese, RMIT
University (Host)

Dr Silvia Montaña-Niño,
Queensland University
of Technology

Inga Ting, ABC

Professor Haiqing Yu,
RMIT University

News media businesses and working journalists are increasingly engaging with automated decision-making systems across a variety of different contexts. Recommender systems systematically distribute news to online audiences and novel machine learning systems can produce comprehensible auto-generated articles. News consumption is also changing, with companies sending news updates through chatbots and voice assistants as a means of engaging with audiences. There are concerns that these developments may see robots replacing journalists and unreliable recommender systems preferred over careful human editorial judgment. A more nuanced approach suggests that practical uses of these technologies will 'augment' rather than replace human capabilities. In any case, advances in automation pose new challenges for the sector, which is adopting these technologies with varying degrees of commitment.

This panel brings together national and international subject-matter experts and leading practitioners in an attempt to separate hype from reality. The panel will discuss the adoption and deployment of automated decision-making, identify probable futures and flag positive and negative issues likely to emerge. The discussion will help to ground ongoing conversations around the interactions between news media and automated decision-making, setting an agenda for public debate and future research projects.

SEX / TECH / DATA / HEALTH

20 Wed July @ 10:45am

Green Brain

Professor Kath Albury,
Swinburne University of
Technology (Host)

Dr Marianne Clark,
University of New South
Wales

Dr Jacinthe Flore, RMIT
University

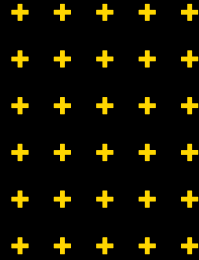
Dr Jenny Kennedy, RMIT
University

Anna Shimshak,
Monash University

Dr Zahra Stardust,
Queensland University
of Technology

Sextech – a space that encompasses dating apps, sexual entertainment platforms and services, networked sex toys, and AI-powered sex robots - has emerged as a site in which sexual pleasure, wellbeing and health are increasingly understood as data. Many sextech products collect significant amounts of intimate data about people's sexual preferences, sexual behaviour and sexual health, which is both volunteered through user profiles and self-tracking platforms, and detected via sensors in smart sex toys. To date, most sextech has been developed by start-ups or by private enterprise. But is it possible to design and govern ethical sex tech at scale? Can sexbots consent? What happens when you 'hack' sextech? And what does community-led, public interest sextech look like?

This panel offers insights and provocations from emerging ADM+S researchers whose work explores the challenges – and ethical potential - of focusing on sextech through the lenses of design justice and public interest. It draws on our recent experiences of participatory research with technologists, sexologists, designers and educators at the ADM+S Sextech Hackathon (supported by Thoughtworks and SexTech School).



HUMANITECH LAB SHOWCASE

20 Wed July @ 2:00pm

Green Brain

Alastair Pryor,
Humanitech Lab (Host)

Joe Glesta, Climasens

Emma Koster, Good
Hood

Juliette Murphy,
FloodMapp

Adelide Mutinda,
Humanitech

Humanitech is an initiative of Australian Red Cross focused on leveraging technology to meet social and humanitarian needs while addressing the risks to society, through research, product development, and advocacy. Our Lab supports organisations working to tackle wicked social problems in the areas of disasters & emergencies, equity & justice, and climate change with the help of social innovation and frontier technologies (including AI and ML). In this session, we will showcase project insights and progress from the 2021 Lab cohort.

AUTOMATING PRECARITY

20 Wed July @ 2:00pm

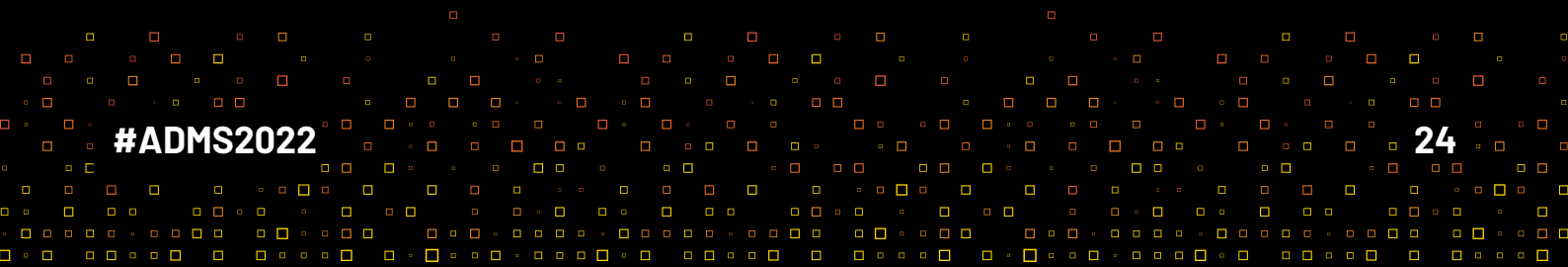
Kaleide Theatre

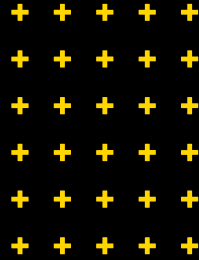
Dr Melissa Gregg, Intel

Lauren Kelly, RMIT
University

Dr Jathan Sadowski,
Monash University
(Host)

Globally, the e-commerce sector has boomed over the last couple years, benefitting greatly from social reshaping by the pandemic. The ascendancy of Amazon – and its aggressive entrance into Australia – has been at the centre of much public attention. This panel, based on an ADM+S Seed Fund project, expands the critical analysis of e-commerce. Rather than universalize the Amazon model, our original empirical and theoretical research shows how warehouses contain a much greater diversity of techno-managerial systems for governing labour and logistics in e-commerce. Join ADM+S researchers, Jathan Sadowski and Lauren Kelly, and senior principal engineer at Intel, Melissa Gregg, for a discussion on the systems that underpin modern society: labour, logistics, and technology.





ALGORITHMIC CULTURE AND RECOMMENDER SYSTEMS IN SCREEN AND ENTERTAINMENT MEDIA

20 Wed July @ 3:30pm

Storey Hall Auditorium

Joel Brydon, ABC iView

Professor Jean Burgess, Queensland University of Technology (Host)

Dr Robbie Fordyce, Monash University

Matthew Hancock, SBS on Demand

Dr Danula Hettiachchi, RMIT University

Associate Professor Ramon Lobato, RMIT University

Dr Adriana Matamoros-Fernandez, Queensland University of Technology

Dr Kylie Pappalardo, Queensland University of Technology

Streaming media and entertainment platforms like Spotify, YouTube, TikTok and Netflix rely on recommender systems to curate and present selected items from their vast libraries of content. These recommender systems draw on data associated with individual consumption activities and preferences, bespoke cultural categories, and licensing or advertising deals, and are baked into the platforms' operations and business models. For example, Spotify automatically curates personalised playlists like Discover Weekly for each user, TikTok's 'for you page' automatically cues up and plays a stream of algorithmically curated videos, YouTube suggests (and automatically plays) what's 'up next' in each user's queue, and the home screens of some smart TVs display menus of titles drawn from all the device's installed streaming video apps, customising these already-personalised suggestions for the logged-in user.

These developments are said to have transformed our cultural environment, so that platforms exert new forms of cultural authority, displacing the ranking and evaluation functions of older media and cultural institutions, and reshaping how content creators reach and connect with their audiences. This panel considers this question of 'algorithmic culture' (Striphas, 2015), and the extent to which it departs from or simply recasts issues that have historically been associated with media distribution, popular consumption, and cultural value. The panel also considers challenges for updating Australia's existing media policy frameworks. How, for example, do Australian content quotas translate to transnational platforms? How can we, and to what extent should we, ensure that Australians continue to experience diverse cultures and ideas in a personalised media environment?

This panel will bring together internationally recognised experts and industry participants to discuss these important issues around cultural authority and value in the context of everyday consumption practices

CARE AND AUTOMATION: EXPERIENCES, TENSIONS AND POSSIBILITIES

20 Wed July @ 3:30pm

Green Brain

Digital technologies are increasingly entering into diverse spaces of care: from home and health and disability care settings to social services to the management and control of global crises such as COVID-19 and climate change by government and industry bodies. Contributors to this panel explore understandings and sociomaterialities of care as it is conceptualised, carried out, experienced and problematised through emerging automated technologies.

Dr Jacinthe Flore, RMIT University

Professor Dan Harris, RMIT University

Associate Professor Emma Kirby, University of New South Wales

Professor Jackie Leach Scully, University of New South Wales

Professor Deborah Lupton, University of New South Wales (Host)

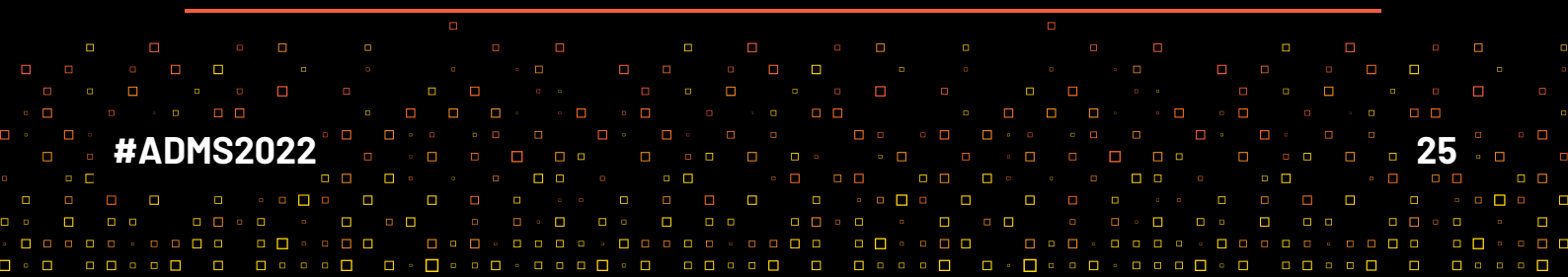
Dr David Rousell, RMIT University

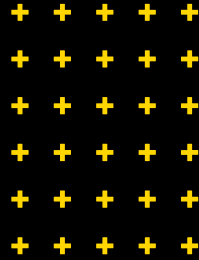
Jess Tran, RMIT University

Dr Georgia van Toorn, University of New South Wales

Dr Ash Watson, University of New South Wales

Vaughan Wozniak-O'Connor, University of New South Wales





DAY 2: THURSDAY 21 JULY

FAIRNESS, EQUITY AND BIAS: INTERDISCIPLINARY PERSPECTIVES

Thurs 21 July @ 10:45am
Green Brain

Associate Professor
Jeffrey Chan, RMIT
University

Professor Paul Henman,
University of
Queensland (Host)

Rakesh Kumar, Western
Sydney University

Professor Jackie Leach
Scully, University of
New South Wales

Professor Jeannie
Paterson, University of
Melbourne

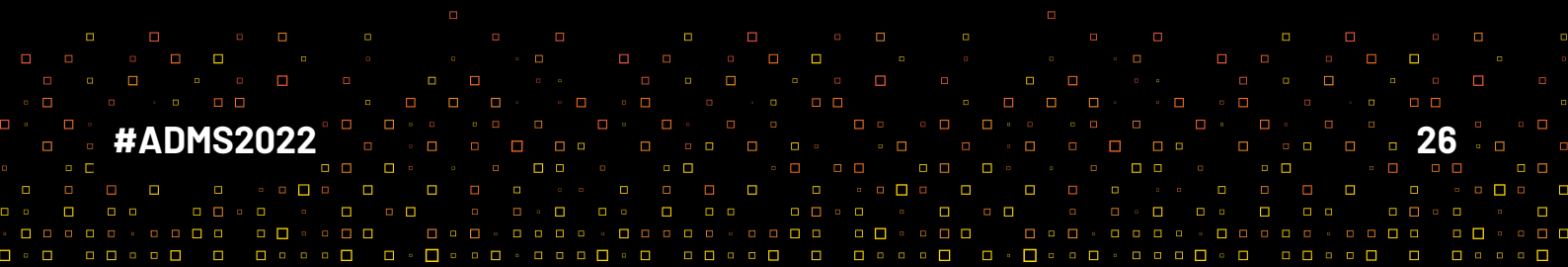
Dr Emmanuelle
Walkowiak, La Trobe
University

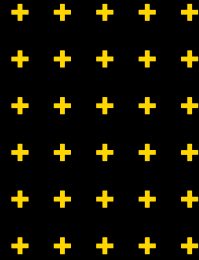
Dr Scarlet Wilcock,
University of Sydney

It is now well recognised across multiple disciplines and sectors that Automated Decision Making and Artificial Intelligence need to be built in a way that is fair, non-biased, and equitable. Yet, a major challenge in achieving fair, non-biased and equitable ADM/AI is a diversity of views and confusion about what these terms mean, how they are conceptualised and contextualised and how they might be assessed and measured.

This panel session advances the need for inter-disciplinary conversations in order to progress the design and use of ADM/AI. The panel focuses on the concepts of fairness, bias, and equity from different disciplinary perspectives, with some consideration of empirical research on the operationalisation and challenges within different sectors/contexts.

Following input from and dialogue with panellists with legal, computer science, policy, and social scientific perspectives of fairness, bias and equity, attendees will have the opportunity to work in small groups to develop a definitional delineation of these concepts and how they might be practically applied.





**LOGICAL
CONCLUSIONS/
AUTOMATION
EFFECTS: ARTIST
AND CURATORS'
PANEL**

Thurs 21 July @ 10:45am
Storey Hall Auditorium

Dr Sean Dockray,
Australian National
University

Monica Lim, Liquid
Architecture

Mara MacDonald

Associate Curator Laura
McLean, Liquid
Architecture (Co-host)

Dr Joel Stern, Liquid
Architecture (Co-host)

Dr Vaughan Wozniak-
O'Connor, University of
New South Wales

What is the cultural logic of automation, and what are its logical conclusions?* Can 'automation effects' be performed, in the Brechtian sense of 'estrangement effects', in order to induce more critical and reflexive (computational) attitudes? Could the estrangement of automation be deployed against the increasingly pervasive automation of estrangement? Can automation be made strange again?

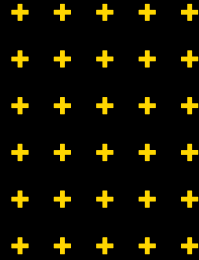
This panel invites artists, musicians, poets and other cultural producers to think with and against the logics of automation in their discussion of works presented in the prior evening's event 'Logical Conclusions / Automation Effects', with event curators Laura McLean and Dr Joel Stern.

We are interested, among other things, in art's capacity to operate non-didactically, improvisationally, satirically, and paradoxically, and how this might trouble or subvert systems designed to extract, aggregate, model, and predict - and in so doing, shape the production and reproduction of culture. We are interested in automation counter-cultures whose experiments resist the demands of seamless optimisation and accumulation, instead offering alternative logics and conclusions, embracing accidents and indecision, producing other effects.

*We are informed here by both Sean Dockray's artwork *Logical Conclusions* (2007-), and Mark Andrejevic's remark that the logical conclusion of an automated culture is the 'obliteration of the self'.

Topics covered include:

- + The resuscitation (by Facebook et al) of the fantasy of ubiquitous virtual reality and its implications for the future of mediation and governance.
- + The digital capture, processing, and remediation of the sensorium (sound, sight, and touch) as a particular genre of corporate/public relations performance
- + The social, political, and cultural implications of automated forms of sensing, speaking, listening, reading and writing.
- + The relationship between new forms of automation and histories of experimental art.
- + The uses and misuses of voice interfaces, biometrics, and sonic databases.
- + Automating the accident and algorithmic catastrophe



**SPACE AND ADM:
CULTURAL AND
POLITICAL
GEOGRAPHIES OF
AUTOMATION**

Thurs 21 July @ 10:45am
Kaleide Theatre

Dr Justine Humphry,
University of Sydney

Trang Le, Monash
University

Dr Kelly Lewis, Monash
University

Associate Professor
James Parker,
University of Melbourne

Associate Professor
Michael Richardson,
University of New South
Wales (Host)

Professor Robert
Sparrow, Monash
University

This panel examines impacts of automated decision-making systems on public and shared space. While automated warehouses and similar closed environments are increasingly well understood, the impacts on public space remain under-examined. Bringing together multidisciplinary perspectives, this panel explores how ADM technologies are applied to lived environments from urban skies to residential housing complexes to smart urban furniture. It also considers the ways in which automated systems shape virtual spaces and environments. The goal is to focus on a broad range of technologies, including voice-activated interfaces, automated mapping, computer vision, LiDAR sensing, and infrastructural traffic management tools. Across their presentations, the participants will explore how ADM makes it possible to modulate and control space through processes of sensing, analysing, visualising, and circulating data, and how regulatory and administrative systems utilise data infrastructures.

Technological development in this area is undergoing rapid change, transforming the relationship between mapping, modelling, and modulating space. Transport of people via autonomous vehicle or goods via autonomous drone requires sensor-driven navigation systems, but the data and models they produce about public space will likely lead to responsive and interaction modulation of physical and virtual space – from waypoints to landing pads to loading bay warehouses. At the same time, data dashboards and software systems employed in local planning departments are increasingly used to guide urban development – and to shape the mobility of people as they move within their communities, from home to work, and even in and out of residences themselves. ADM is already changing the lived experience of space but their future impacts are only just beginning to be grasped. This panel aims to combine research that interrogates the present with speculative methods for grasping imagined futures in order to open new lines of inquiry across the Centre and stimulate new connections with civil society and governmental stakeholders.

**ADM+S WORKING
PAPER SERIES
LAUNCH**

Thurs 21 July @ 2:00pm
Kaleide Theatre

Dr José-Miguel Bello y
Villarino, University of
Sydney (Host)

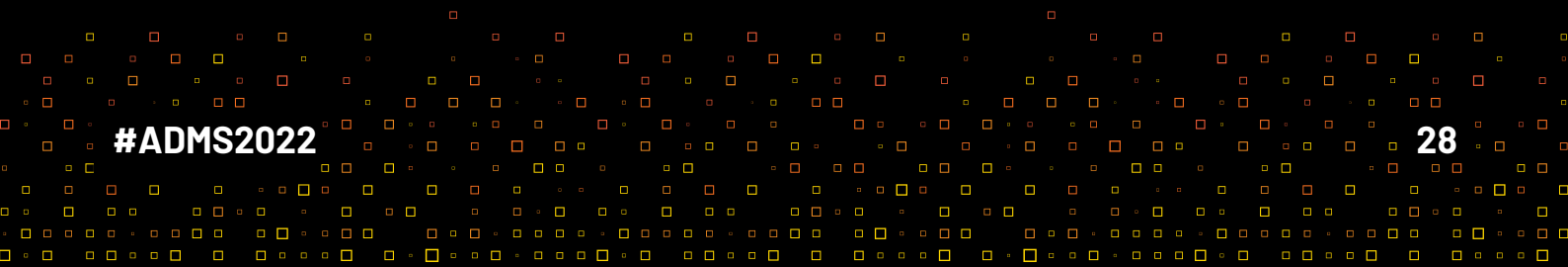
Professor Axel Bruns,
Queensland University
of Technology

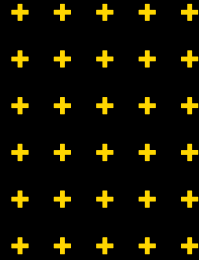
Professor Jean Burgess,
Queensland University
of Technology

Professor Paul Henman,
University of
Queensland

The ADM+S Working Papers series publishes new research by ADM+S Centre members and collaborators in an open access format. ADM+S working papers receive a DOI and are published by the Analysis & Policy Observatory (APO), on the ADM+S website, and the Centre's internal and external newsletters.

In this launch, the ADM+S Editorial Committee will provide an overview of the series and introduce some of the authors of the first publications.





**PLATFORM
FUTURES: EX POST
AND EX ANTE
TOOLS IN THE
REGULATORY
TOOLKIT**

Thurs 21 July @ 3:30pm
Storey Hall Auditorium

As society becomes increasingly datafied and platformised, regulators the world over are keen to address unequal bargaining power, and to promote fairer, healthier digital spaces. Australia's News Media and Digital Platforms Mandatory Bargaining Code (NMBC) was one of the first attempts to query the fundamental business model of news media, and it inspired other governments to tackle gatekeepers and structural imbalances. Within the Asia-Pacific region, South Korea and China have launched antitrust investigations across industries. The European Union put forward the Digital Services Act (DSA) and Digital Markets Act (DMA), proposing ex ante regulatory tools that go beyond traditional (ex post) competition/antitrust law. This panel brings together experts from Australia, the European Commission, Korea and China to discuss diverse regulatory approaches, and their implications for innovation and consumer welfare, and the future of digital platforms.

Prabhat Agarwal, European Commission

Malavika Jayaram, Digital Asia Hub (Co-host)

Professor Haksoo Ko, Seoul National University School of Law

Dev Lewis, Digital Asia Hub (Co-host)

Associate Professor James Meese, RMIT University

Professor Haiqing Yu, RMIT University

**ADM AND CIVIL
LIABILITY**

Thurs 21 July @ 3:30pm
Green Brain

**Associate Professor
Henrique Sousa
Antunes, Lisbon School
of Law**

**Dr José-Miguel Bello y
Villarino, University of
Sydney (Host)**

**Dr Henry Fraser,
Queensland University
of Technology**

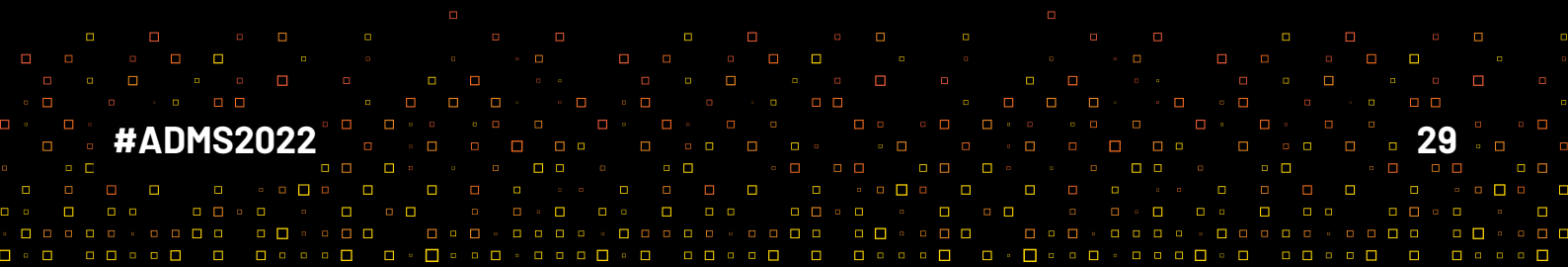
**Associate Professor
John Morgan, University
of New South Wales**

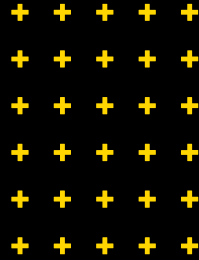
**Natalie Sheard, La Trobe
University**

ADM is entrusted with consequential decisions in all walks of life. They have the capacity to cause considerable harm as well as good. For example, embodied robots and self-driving vehicles may cause physical harm or property damage; while faulty or biased disembodied systems, such as credit scoring and job recruitment tools, are capable of seriously and unjustly curtailing life opportunities, especially for vulnerable groups. Civil liability laws (and insurance regimes built upon them) are one important mechanism for:

- + compensating those who are harmed by poorly designed or deployed ADM;
- + incentivising safer and more responsible practice on the part of developers and deployers; and
- + promoting efficient and just allocations of risk and cost in relation to ADM harms.

This panel, moderated by José-Miguel Bello y Villarino, will explore the opportunities and challenges for applying civil liability laws to ADM-related harms. The intention of the panel is to provide a global, comparative perspective both on challenges and actual or potential approaches to overcoming them.





TRUST IN AUTOMATED DECISION-MAKING

Thurs 21 July @3:30pm

Kaleide Theatre

Professor Kath Albury,
Swinburne University of
Technology

Professor Nicole
Gillespie, University of
Queensland

Lizzie O'Shea, Digital
Rights Watch

Professor Sarah Pink,
Monash University
(Host)

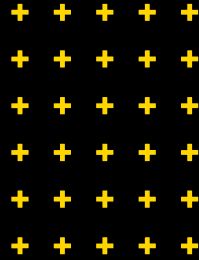
Dr Emma Quilty,
Monash University

Why does trust matter in our relations with automated systems and technologies? What are the risks of not attending to it? And what do we stand to gain by putting it at the centre of our research and practice?

Questions of trust seem to be at the core of concerns about the design, application and our lives with automated decision-making. Engineers and technology designers seek to create automated technologies that are inherently trustworthy. Governments need people to trust automation to enable policy. Business consultancy firms and tech companies have set up Trust Centres, administer surveys to monitor public trust and advise on how to gain the trust of consumers and other organisations. Humanitarian organisations put trust at the core of their work.

But do people trust ADM systems and technologies? Is there really a new trust deficit related to increased automation? Who can we trust? What does trustworthiness mean in an automating society? And are the right investments being made to support us on a journey towards a society characterised by trust?

This panel, led and hosted by Professor Sarah Pink who leads the ADM+S Trust in ADM project, brings together experts to discuss why trust matters.



DAY 3: FRIDAY 22 JULY

USING RISK-RELATED APPROACHES TO REGULATE ADM AND DECISION SUPPORT SYSTEMS: ONE WAY ROAD OR SEVERAL REGIONAL APPROACHES?

Fri 22 July @ 9:00am
Kaleide Theatre

2022 will be a key year to see where regulatory approaches to Artificial Intelligence will be heading. At this stage, from Brazil to the US and from China to the EU, “risk” is the anchor of the many of these regulatory initiatives whether in hard norms, smart rules or standardisation. This panel will bring four regional perspectives to the discussion to see if these approaches are truly divergent or just different manifestations of a bigger idea – protecting societies from AI-related risk. It will pay particular attention to how countries and jurisdictions, such as Australia, reluctant to make any moves at this stage could be faring in the global regulatory landscape.

Professor Brunessen Bertrand, University of Rennes

Dr José-Miguel Bello y Villarino, University of Sydney (Host)

Maroussia Levesque, Berkman Klein Centre

Barry Wang, University of Sydney

ROUNDTABLE AND WORKSHOP: THE IMPLICATIONS OF ADM ON HUMANITARIAN FUTURES

Fri 22 July @ 9:00am
Storey Hall Auditorium

**Dr Magdalena Arias
Cubas, Red Cross Red
Crescent Global
Migration Lab**

**Nicole Batch, Australian
Red Cross**

**Professor Anthony
McCosker, Swinburne
University of
Technology**

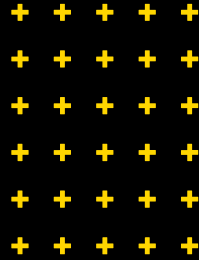
**Caitlin McCulloch,
Australian Red Cross
(Host)**

**Professor Sarah Pink,
Monash University**

Digital transformation is an area of strategic importance for humanitarian and community development sectors. Our work is getting more complex and protracted, and innovative uses of data and technology, including ADM tools and systems, are helping us address humanitarian needs and empower communities. However, these tools and systems can create new forms of intrusion, insecurity and inequality, often at the expense of the most vulnerable people and communities. Given that the impact of ADM on society is expected to grow significantly in the coming decades, we need to work collaboratively across sectors and disciplines to understand and address the risks – and make the most of the opportunities.

Convened by Humanitech, an initiative of Australian Red Cross that seeks to leverage technology to meet social and humanitarian needs while addressing the risks to society, this interactive session will bring together humanitarian and community development practitioners with ADM+S Centre research community to canvass emerging issues and insights at the intersection of automated decision-making and humanitarian action, highlight knowledge gaps, and identify opportunities for collaboration.

The session will start with the panel drawing on their expertise to illuminate the opportunities and challenges of ADM for humanitarian work, followed by small table discussions with participants to document their experiences, examples, hopes and concerns. The session will conclude with the panellists sharing back key highlights from discussions. The Humanitech Team will document key themes, topics and questions from the day and share this with the audience after the event, with the intent of sparking future collaboration.



WILL DIGITAL TECH SOLVE THE CLIMATE CRISIS?

Fri 22 July @ 1:15pm

Green Brain

Dr Loup Cellard,
Professor Fiona Haines,
University of Melbourne

Dr Ben Lyall, Monash
University

Associate Professor
Yolande Strengers,
Monash University

Professor Karen Yeung,
Birmingham Law
School (Host)

This panel investigates the dynamic interplay between: discourses framing digital technologies as solutions to the climate crisis and the real material impacts of these technologies on ecologies of living.

Panellists will examine the potential efficacy of digital tech, interrogate its underlying ethics and critically analyse its social, political and ecological dynamics through addressing the following questions: Will digital technologies solve the climate crisis? Can they do it? How are digital technologies placed in the mix of policy efforts and engineering solutions to ecological problems? How do ecological problems create a platform for the development of emerging technologies? How does digital capitalism use contexts of social and ecological crises to boost extractivist activities at the heart of the data economy? How do entrepreneurial cultures and narratives on technology influence public understandings of both the climate crisis and the political and democratic governance of ecological justice? How does digital technology fit with calls for more local knowledge, care and collective practices in relation to ecological problems?

Speakers will analyse how buzzwords (e.g. Green AI, smart grids) recently emerged to shape the public understandings of technology's material impacts and how climate change is often reduced to a technical problem infused by a culture of "toxic" masculinity. The marketisation of emerging technologies such as AI products for disaster monitoring, distributed renewable energy technologies and smart home devices will be analysed and their solution oriented narratives evaluated. Panellists will also envision the benefits and trade-offs coming with the standardisation of AI ethics, the participation of publics in shaping technological change and care-full justice approaches to our everyday environments and non-human.

DECENTRALISED AUTONOMOUS ORGANISATIONS

Fri 22 July @ 1:15pm

Kaleide Theatre

Dr Darcy Allen, RMIT
University

Jack Deeb,
Mycelium/TracerDAO

Kelsie Nabben, RMIT
University

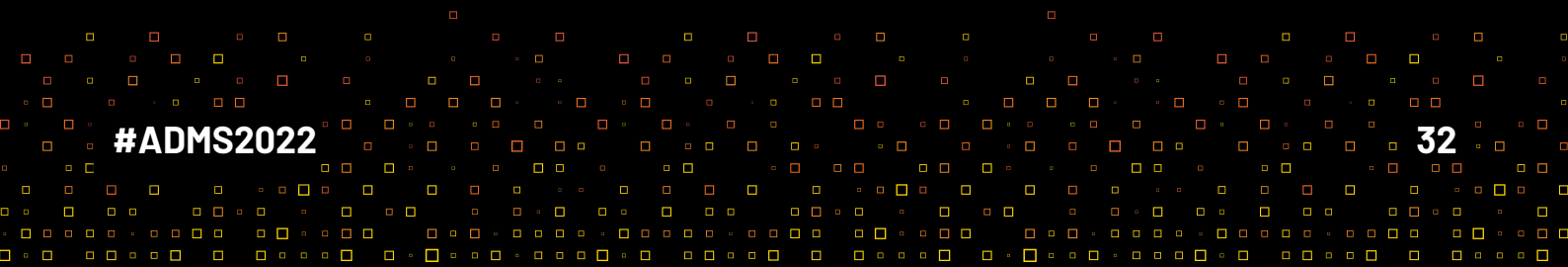
Joni Pirovich,
Blockchain & Digital
Assets

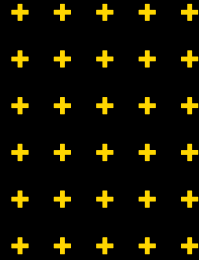
Professor Jason Potts,
RMIT University

Professor Ellie Rennie,
RMIT University (Host)

This panel will feature presentations on the following topics:

- + What is a DAO? And why should we care about automated coordination mechanisms?
- + If it looks like you're doing the work, then you've done the work, right? Unpacking contribution and reward systems in DAOs
- + DAOs in practice: Governance of and by algorithms
- + How are DAOs viewed in the eyes of the law? Are they just another type of company?
- + A case study on TracerDAO
- + Are we better off in the long run? The economics of DAOs.





POSTERS

ADM+S students and researchers will have the opportunity to share their findings with other Centre members and representatives from our partner organisations, industry leaders, policymakers and public attendees through posters displayed at the symposium. The posters highlight research results of current projects dealing with the symposium topic.

The posters will be exhibited on all three days of the symposium in the Storey Hall Auditorium. On **Symposium Day 1 on Wednesday 20th July at 12:45pm**, selected posters will be briefly introduced by a representative of the selected research project to the assembled symposium audience. In addition to the presentation and poster exhibition, the projects will also be featured on the symposium website and in the symposium report.

A prize of \$2,000 in research funding will be awarded to the author/s of the best poster as judged by a panel of academic and industry experts.

ACTUATE PROJECT: FAIR DATA-DRIVEN RESOURCE ALLOCATION UNDER TIME CONSTRAINTS

Associate Professor Jeffrey Chan,
RMIT University

Dr Sarah Erfani, The University of
Melbourne

Dr Yousef Kowsar, The University
of Melbourne

Professor Christopher Leckie,
The University of Melbourne

Professor Flora Salim, University
of New South Wales

The problem of fair resource allocation under time constraints with uncertain data raises challenges for automated decision-making. Advances in machine learning methods for fast and accurate predictions is creating new opportunities for joint demand prediction and resource allocation, known as Predict-plus-Optimise (PepOP). The project's goals are:

- + to develop a framework that supports data-driven prediction of demands, together with optimisation of the resource allocation for those demands;
- + to find practical definitions of fairness for resource allocation in this Predict-plus-Optimise framework; and
- + to develop a practical testbed that can be used to test and demonstrate the effects of different definitions of fairness in this context, using natural disaster response as a motivating scenario.

AI OPACITY AND EXPLAINABILITY IN TORT LITIGATION

Dr Henry Fraser, Queensland
University of Technology

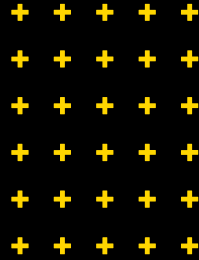
Rhyle Simcock, Queensland
University of Technology

Dr Aaron Snoswell, Queensland
University of Technology

A spate of recent accidents and a lawsuit involving Tesla's 'self-driving' cars highlights the growing need for meaningful accountability when harms are caused by AI systems. Tort (or civil liability) lawsuits are one important way for victims to redress such harms and may also prompt AI developers to take better precautions against safety risks.

However, Tort claims of all kinds will be hindered by AI opacity. In this paper, we start to address this problem by formulating and evaluating several options for mitigating AI opacity that combine expert evidence, legal argumentation, civil procedure, and Explainable AI approaches. We emphasise the need for explanations of AI systems in tort litigation to be attuned to the elements of legal 'causes of action' – the specific facts that must be proven to succeed in a lawsuit.

You can view the associated full paper at doi.org/10.1145/3531146.3533084.



**FAIRNESS IS NOT AN
AFTERTHOUGHT: WHY
POST-PROCESSING
METHODS LACK THE
ROBUSTNESS TO REMAIN
FAIR**

Associate Professor Jeffrey Chan,
RMIT University

Yufan Kang, RMIT University

Professor Flora Salim, University
of New South Wales

Dr Wei Shao, RMIT University

Edward Small, RMIT University

Kacper Sokol, RMIT University

Zeliang Zhang, RMIT University

The use of machine-learning (ML) in high-stakes automated decision making (ADM) has dramatically increased in recent years. These machines learn using training data collected from society- a biased and discriminatory space. Obviously, we would prefer our machines to not perpetuate these biases. As such, it has become increasingly important to ensure that, not only are our ADM machines accurate, but they are also fair. How we define 'fair' is dependent on the problem we are trying to solve, but an area that currently remains somewhat unexplored is the robustness of fair solutions. That is to say, if a data-driven ADM is fair now, can we trust that it remains fair in the future?

**HELLO, BARBIE? MAPPING
INDUSTRY CHALLENGES
AND FAILURES IN
ENTERTAINMENT
VOICETECH FOR CHILDREN**

Professor Veronica Barassi,
University of St. Gallen

Dr Jenny Kennedy, RMIT
University

Dang Nguyen, RMIT University

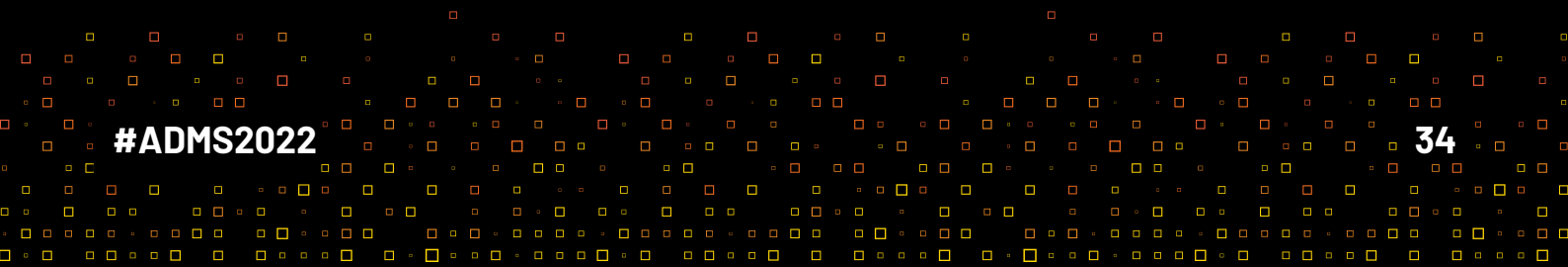
Marie Poux-Berthe, University of
St. Gallen

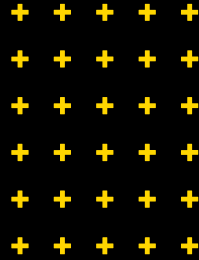
Anna Shimshak, Monash
University

Professor Yolande Strengers,
Monash University

In 2015, toymaker, Mattel, released Hello Barbie. This Wi-fi connected Barbie seemingly ushered in a new era for toys. Promising voice interaction through natural language processing, Hello Barbie was one of the first "smart toys" on the market, as manufacturers increasingly sought to deepen user engagement. While Hello Barbie's programming was restrictive and guided by public-relations concerns over age, gender and cultural appropriateness rather than allowing for imaginative, child-generated free interactions, larger concerns around data privacy were quickly voiced across the academic and tech sectors. Hello Barbie is one of many smart toys with demonstrated security and data vulnerabilities.

This project aims to understand how privacy-by-design and cultural values including those concerning gender and race are, and are not, being considered or implemented in entertainment voicetech. Drawing from digital media studies and platform studies, we have conducted a political economy analysis of the entertainment voicetech market, identifying key industry players, their affiliations as well as what is offered in the voicetech toy market space.





MEASURING AND QUANTIFYING CONFIRMATION BIAS DURING INFORMATION RETRIEVAL

Dr Danula Hettiachchi, RMIT University

Kaixin Ji, RMIT University

Professor Flora Salim, University of New South Wales

Professor Falk Scholer, RMIT University

Dr Damiano Spina, RMIT University

To ensure a fair online environment, information retrieval and user experience researchers have strived to ensure the search engines are fair and provide balanced information / opportunities to the online users / content providers. In this regard, it is important to measure and quantify the CB in a way that the computer system can understand. What is lacking is if the confirmation bias is measurable and quantifiable. Negative and unbalance information will affect our decision making. This project will help online users to aware of their thinking flaws and facilitate critical thinking practice so can reduce information danger in various areas, especially political and health domain. In this way, the users can protect themselves from the information danger.

This project will contribute to improving the system efficiencies by helping it to better understand the users.

PUBLIC INTEREST SEX TECH HACKATHON

Professor Kath Albury, Swinburne University of Technology

Dr Jenny Kennedy, RMIT University

Dr Zahra Stardust, Queensland University of Technology

Sextech – a space that encompasses dating apps, sexual entertainment platforms, sex education chatbots, networked sex toys, tracking apps, virtual companions and AI-powered sex robots - has emerged as a site in which sexual pleasure, wellbeing and health are increasingly understood as data. In February 2022 we coordinated a Public Interest SexTech Hackathon in collaboration with global software developers Thoughtworks, and SexTech School, an online training academy for sextech entrepreneurs.

This project offers new perspectives on a topic that has been both sensationalised/stigmatised and framed as a space of (gendered) entrepreneurship within popular commentary. It offers provocations, challenges and insights into the ethical potential of sex tech for safety, pleasure and health. The findings will be shared with industry stakeholders through a variety of mechanisms including podcasts, newsletters, conferences and journal articles.

QUANTIFYING IMPACTS OF SHARED E-SCOOTERS

Associate Professor Jeffrey Chan, RMIT University

Dr Danula Hettiachchi, RMIT University

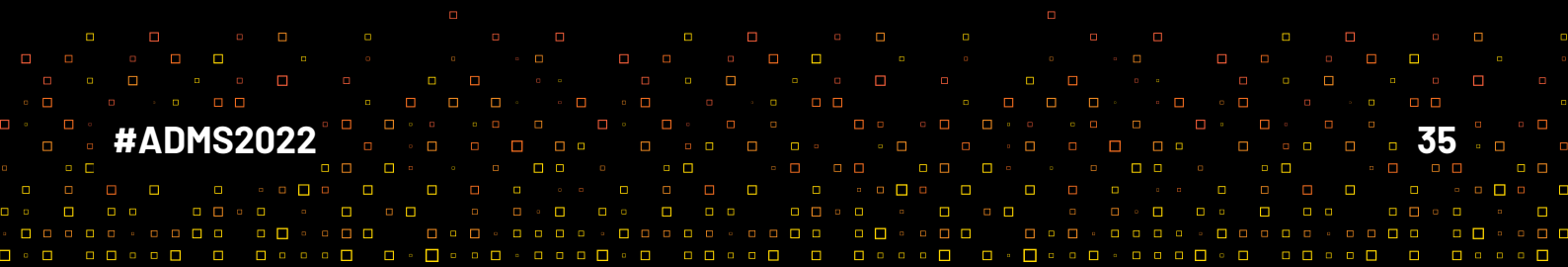
Hiruni Kegalle, RMIT University

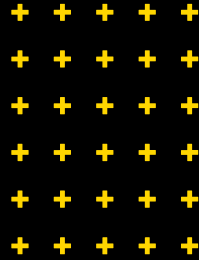
Professor Flora Salim, University of New South Wales

Professor Mark Sanderson, RMIT University

Micro-mobility services refer to personally driven, small, lightweight vehicles (bicycles, electric bikes, electric scooters and hoverboards) operating at low speeds. In recent years, micro-mobility services have gained immense popularity across the world, and it has been improved as a shared service among short-distance commuters in urban areas. However, there are growing discussions over rider safety and impacts on other parties.

The goal of our project is to sustainably integrate shared e-scooters into the urban eco-system. The project aims to identify and quantify the effects of the e-scooter share scheme in Victoria, focusing on the impacts on local businesses, other road users (e.g., cyclists, drivers), the city and public transport. These measurements will eventually lead to better outcomes for both riders and the other members of the urban space.





SPEAKERS

KEYNOTES



Dr Melissa Gregg
Principal Engineer and
Research Director, Client
Computing Group, Intel

Melissa is a Senior Principal Engineer at Intel, based in the United States, and has an international reputation for her research in the area of technology, work and human factors. She is also a member of the ADM+S Centre's International Advisory Board.



Ms Malavika Jayaram
Executive Director, Digital
Asia Hub

Malavika is the Executive Director of the Digital Asia Hub, and a Faculty Associate at the Berkman Klein Center for Internet and Society at Harvard University. A graduate of the National Law School of India, Bangalore, Malavika has an LL.M. from Northwestern University, Chicago.



**Professor Frank
Pasquale**
Brooklyn Law School

Frank is an expert on the law of artificial intelligence (AI), algorithms, and machine learning. His widely cited research has been featured in top law reviews, and he has advised business and government leaders in the healthcare, Internet, and finance sectors.



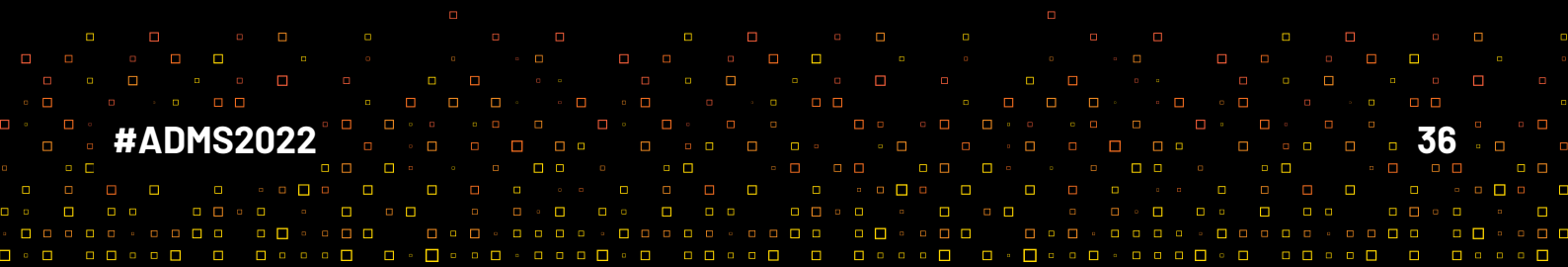
**Professor Cheryll
Soriano**
De La Salle University
(DLSU)

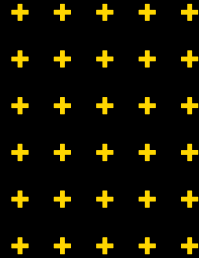
Cheryll is Professor of Communication at DSLU and Principal Investigator of Fairwork Philippines, a part of the global Fairwork network which seeks to advance fair labor conditions in the gig economy across the world.



Professor Karen Yeung
The University of
Birmingham

Karen is Interdisciplinary Professorial Fellow in Law, Ethics and Informatics at the University of Birmingham. Her research has been at the forefront of understanding the challenges associated with the regulation and governance of emerging technologies.





PANELLISTS AND ARTISTS



Prabhat Agarwal
European Commission

Prabhat Agarwal is Head of Unit "Digital Services and Platforms" at the European Commission's DG CONNECT. He comes from a background of academic and industrial research, covering a broad range of fundamental science and commercial high-tech projects.



Professor Kath Albury
Swinburne University of Technology

Kath is Professor of Media and Communication at Swinburne University of Technology, where she co-leads the Digital Inclusion Program in Swinburne's Social Innovation Research Institute (SIRI).



Dr Darcy Allen
RMIT Blockchain Innovation Hub

Darcy is a Senior Research Fellow and academic economist and writer working on web3. His current work focuses on the governance of blockchain, cryptoeconomic design, and entrepreneurship in web3.



Professor Mark Andrejevic
Monash University

Mark is a Professor of Media Studies in the School of Media, Film, and Journalism at Monash University and Chief Investigator at the ADM+S Centre. His research covers the social, political, and cultural impact of digital media, with a focus on surveillance and popular culture.



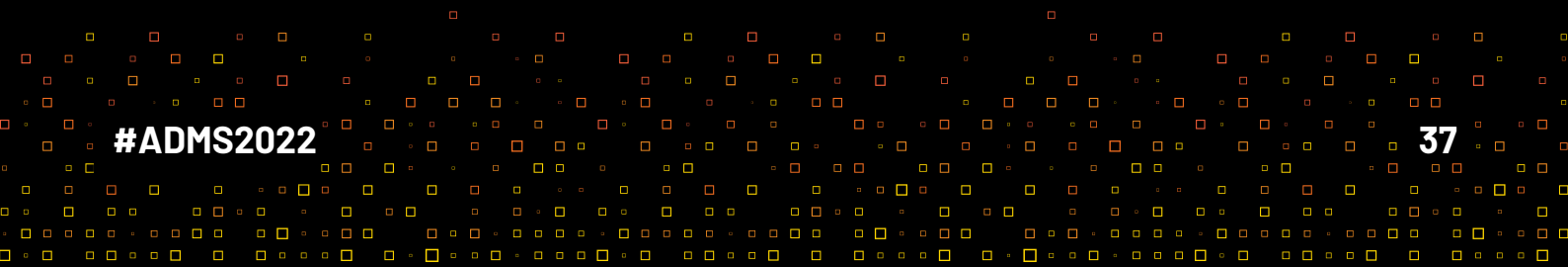
Associate Professor Henrique Sousa Antunes
Catholic University of Portugal

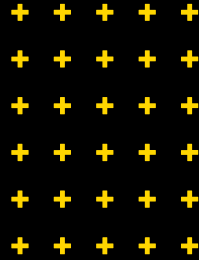
Henrique is an Associate Professor at the Lisbon School of Law of the Catholic University of Portugal, where he teaches Private Law. He is a former Dean of the School and a member of the Católica Research Centre for the Future of Law, where he coordinates a working group on Law and AI.



Dr Magdalena Arias Cubas
Australian Red Cross

Magdalena is a Senior Research Officer of the Red Cross Red Crescent Global Migration Lab. She holds a PhD from the University of Sydney and has previously held teaching and research positions at the University of Sydney and Deakin University. Her research interests include international migration, development, and inequality.





Professor Brunessen Bertrand
The University of Rennes

Brunessen is a Professor of Law and her work focuses on several dimensions of European digital law: data governance, cyber-defense and cybersecurity, blockchains, privacy, AI, digital sovereignty, behavioural approach to digital regulations.



Nicole Batch
Australian Red Cross Migration Support Program

Nicole is a Protection Manager at the Australian Red Cross Migration Support Program. Previously she was the Australian National Program Coordinator of Red Cross's International Tracing Services. She holds a Bachelor's Degree in Social Work from La Trobe University.



José-Miguel Bello y Villarino
The University of Sydney

José-Miguel is an ADM+S Research Fellow at the University of Sydney Law School. His work in the ADM domain is particularly concerned with the policy implications of machine-assisted decision making and its implementation in regulatory terms.



Kate Bower
Consumer Data Advocate, CHOICE

Kate's work extends CHOICE's fight for fair, safe, and just markets to data misuse, including price discrimination and algorithmic bias. Kate joined CHOICE in 2016 and was part of the team that built CHOICE's independent and comprehensive health insurance comparison tool, as well as leading the digital transformation of their insurance comparisons.



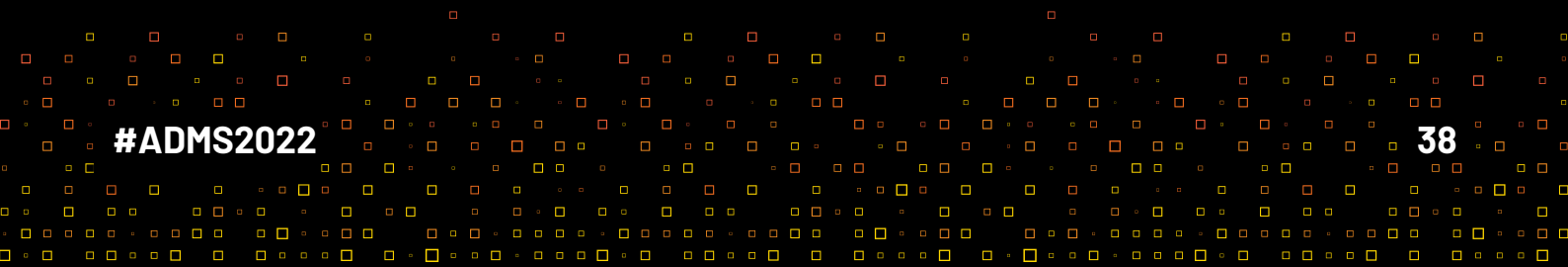
Joel Brydon
Head of Digital Product, ABC

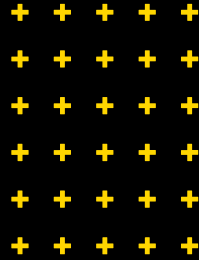
Joel is the Head of Digital Product at the ABC. Joel and the Digital Product team are helping to enable the ABC's digital future, whilst currently supporting all of the ABC's key platform digital experiences including ABC iView, ABC Listen and ABC News.



Professor Jean Burgess
Queensland University of Technology

Jean is the Associate Director of the ADM+S Centre and a Professor of Digital Media in the QUT Digital Media Research Centre (DMRC) and School of Communication at QUIT. Her research focuses on the social implications of digital media technologies, platforms, and cultures, as well as new and innovative digital methods for studying them.





Dr Loup Cellard
The University of Melbourne

Loup is an postdoctoral researcher working on the ecological regulation of algorithms in the ADM+S Centre at Melbourne Law School. His research is situated in science and technology studies and materialist approaches to media studies.



Associate Professor Jeffrey Chan
RMIT University

Jeffrey is an Associate Professor in the School of Computing Technologies at RMIT. His research interests lie in machine learning, recommendation, FAccT, social network analysis, data driven optimisation and decision-making.



Dr Marianne Clark
The University of New South Wales

Marianne is a Research Fellow in the Vitalities Lab, Centre for Social Research in Health and the Social Policy Research Centre at UNSW. Her research encompasses the intersections between digital and physical cultures as well as socio-cultural perspectives of gender and health.



Jack Deeb
Co-Founder, Mycelium

Mycelium is known as a leading data provider in the industry and for building the Reputation data platform and Tracer DAO's decentralised financial smart contracts. Jack works across all of Mycelium's projects and manages the financial, operational and strategic aspects of the business.



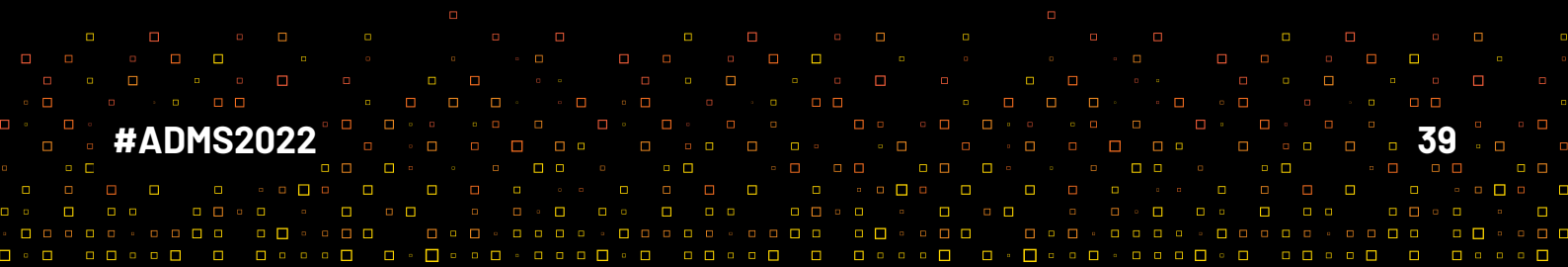
Dr Sean Dockray
The Australian National University

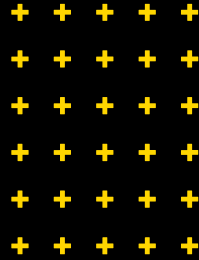
Sean is an artist and writer whose work explores the politics of technology, with a particular emphasis on artificial intelligences and the algorithmic web. He is a Senior Lecturer at the ANU School of Art & Design, a founding director of the Los Angeles non-profit Telic Arts Exchange, and initiator of two knowledge-sharing platforms.



Karen Ann Donnachie & Andy Simonato
Karen + Andy, Artist Duo

Donnachie, Simonato & Sons (aka Karen+Andy) is an art & design studio and publishing concern based in Melbourne Australia. They work in the fields of electronic art, machinic writing and drawing, video and image-making, UX and immersive installation.





Nick Evershed
Guardian Australia

Nick is an award-winning journalist and the data and interactives editor for the Guardian Australia. After a short stint as a scientist, he switched careers to journalism and now combines research skills learned in science with traditional journalistic techniques.



Dr Jacinthe Flore
RMIT University

Jacinthe is an ADM+S Research Fellow and researches the application of advanced technologies, such as automation and artificial intelligence, in the area of mental health and wellbeing. She is interested in both how users engage with digital mental health, and how technologies for mental wellbeing are programmed, designed, and conceptualised.



Dr Robbie Fordyce
Monash University

Robbie is a Lecturer in Communication and Media Studies at Monash University. His research advances interests in 3D-printing, blockchain services, wikileaks, interactive entertainment, social media, and pirate networks, expanding into areas such as digital ethics, smart cities, infrastructure, automation, surveillance, and fabrication.



Dr Henry Fraser
Queensland University of Technology

Dr Henry Fraser is a Research Fellow in Law, Accountability and Data Science at ADM+S. His work is about making the most of existing laws to promote responsible automated decision-making; and how to target regulatory interventions to cover the gaps.



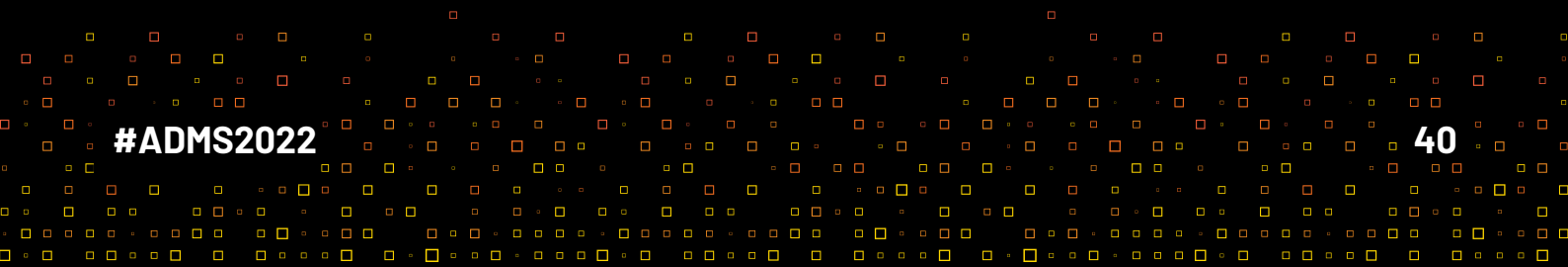
Professor Nicole Gillespie
The University of Queensland

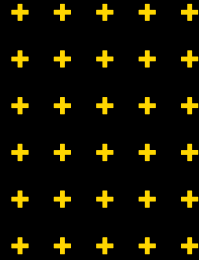
Nicole is the KPMG Chair in Organisational Trust and a Professor of Management at UQ. She is a leading international authority on trust in organisations, and an International Research Fellow at the Centre for Corporate Reputation at the University of Oxford. Trained as an organisational psychologist, Nicole's research over the past 20 years has focused on developing and repairing trust in organisations.



Joseph Glesta
Climasens

Joe Glesta is helping build climate resilience in our world through technological innovation. Over the past decade, he has worked in a multitude of positions that have allowed him to work in the climate and technology sectors, enabling him to understand what it takes for these two megatrends to combine and improve the planet.





Professor Fiona Haines
The University of Melbourne

Fiona is a Professor of Criminology at UoM. Her work explores how businesses generate harm, commit crime and how to get them to act in the public interest. Fiona's work is diverse, including research into industrial disasters, grievances against multinational enterprises, and community responses to coal seam gas.



Matthew Hancock
SBS On Demand

Matthew is the General Manager for SBS on Demand and leads a cross-functional team that oversees curation and product strategies, maximising audience opportunities by leveraging content highlights in ways that aid discovery on-platform and establish digital pathways off-platform.



Professor Dan Harris
RMIT University

Dan is the Associate Dean for Research & Innovation at the School of Education, RMIT. Dan is an Australian Research Council Future Fellow, and Co-Director of the Creative Agency research lab. Their research focuses on the intersection of creativity at both practice and policy levels; on cultural, sexual and gender diversities; and on performance and activism.



Penny Harrison
Australian Red Cross

Penny is the Director of Volunteering at the Australian Red Cross and has over 20 years' experience in leadership and operational roles in the humanitarian sector. She is also a member of the ADM+S International Advisory Board.



akka (Shareeka Helaluddin)
Artist

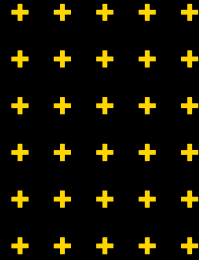
Shareeka is an artist working on Gadigal Country. Creating under the pseudonym akka and informed by her Tamil-Bengali multi-faith upbringing, her sound practice explores temporality, drone, dissonance, archive, memory and a pursuit of deep listening. Also a DJ, akka gathers warped global club with found sounds, in an attempt to unhinge expectations of form and aesthetic. She conjures a politicised understanding of the club that foregrounds the movement and joy of marginalised bodies.



Professor Paul Henman
The University of Queensland

Paul is a Professor of Digital Sociology and Social Policy at UQ. His work includes the use of new digital research methods, including web-crawling, social network analysis, and online user experiments. He has studied the nexus between digital technologies, social policy, and public administration, and the implications for citizens, public governance and power.





Dr Danula Hettiachchi
RMIT University

Danula is an ADM+S Research Fellow at the School of Computing Technologies, RMIT. His research interests are human-computer interaction, crowd-sourcing, and social computing. Danula contributes to the ADM+S Centre's Machines program with a specific focus on quantifying and measuring user bias and engagement with automated decision-making systems.



Dr Indigo Holcombe-James
RMIT University

Indigo is an ADM+S Research Fellow at the School of Media and Communication at RMIT. Indigo's doctoral research, awarded in 2019, unpacked dominant policy narratives about digital participation in the Australian cultural sector and examined how these interact with exclusion. She is currently working on the Mapping the Digital Gap Project at the ADM+S Centre.



Dr Justine Humphry
The University of Sydney

Justine is Senior Lecturer in Digital Cultures in the Department of Media and Communications at the University of Sydney. Her research examines the cultural and political implications of digital media in everyday life and the lived realities of techno-marginalisation, looking at consequences of mobile, smart and data-driven technologies for under-represented and excluded communities.



Dr Orhan Karagoz
The University of Melbourne

Orhan is a Tutor in Anthropology at the University of Melbourne. He completed his undergraduate in Arts with combined honours at the University of Melbourne and his PhD in anthropology in 2021.



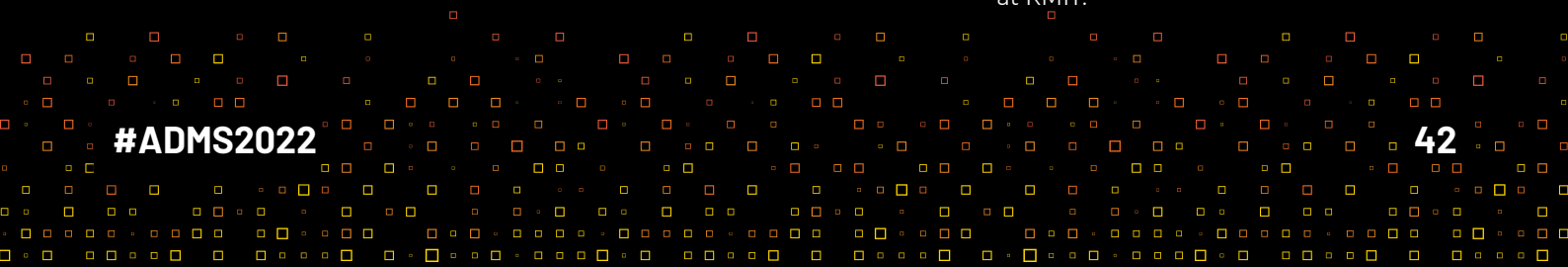
Lauren Kelly
RMIT University

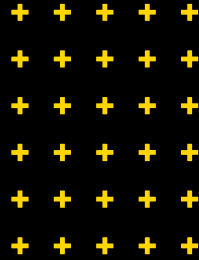
Lauren is a ADM+S PhD student at RMIT University and policy advisor in the Australian union movement. Lauren's research focuses on the politics of workplace technologies, future(s) of work, and the changing role of unions.



Dr Jenny Kennedy
RMIT University

Jenny is a Research Fellow in the School of Media and Communication at RMIT. Her projects currently focus on digital inclusion of low-income households, and the gendering of AI and automation in home environments. Jenny presently holds an ARC Discovery Early Career Research Award (DECRA) fellowship, and is a core member of the Digital Ethnographic Research Centre at RMIT.





**Associate Professor
Emma Kirby**
The University of New South
Wales

Emma is an Associate Professor of Sociology at UNSW and is interested in the sociology of health and illness. Her research draws on a range of case studies to provide a critical sociological analysis of advanced illness and end of life care, mapping its character and significance.



Cecily Klim
The University of New South
Wales

Cecily is an ADM+S PhD student in the Vitalities Lab at UNSW. Through the lens of critical digital health studies and feminist HCI, Cecily's research explores the current role and speculative future of emerging technologies as an alternative avenue in contraceptive advocacy, provision, and use.



Professor Haksoo Ko
Seoul National University

Haksoo is a Professor of Law at Seoul National university. His research focuses on legal, ethical, and policy aspects related to data privacy, artificial intelligence, and the metaverse. He regularly sits on various advisory committees for the Korean government as well as for various public and private entities.



Emma Koster
Good Hood

Emma Koster is the founder of Good Hood, an organisation developing tech-driven projects for a fairer, safer world. With a dual-disciplinary background in technology and community development, Emma's work aims to embed a culture of fairness, simplicity and community advocacy throughout all phases of strategic and product development.



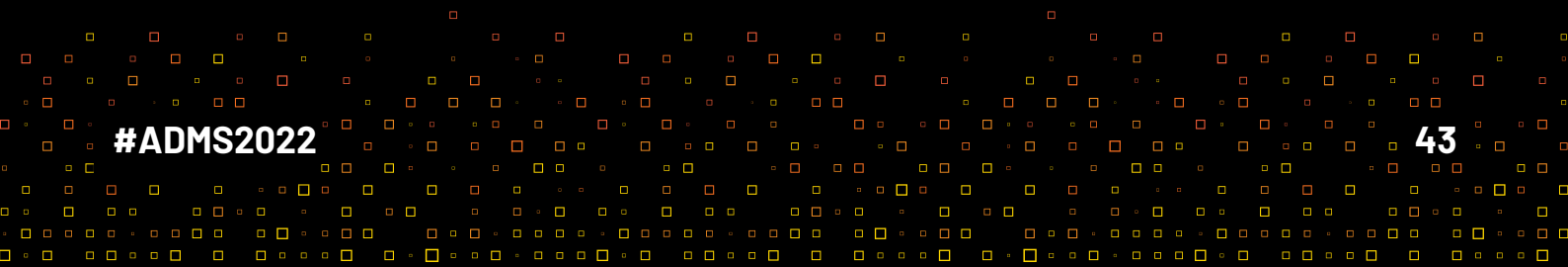
Rakesh Kumar
Western Sydney University

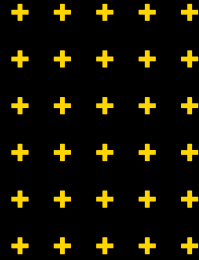
Rakesh is an ADM+S PhD student at the Institute for Culture and Society at Western Sydney University. He is doing his PhD after more than a decade and half of work in the corporate area in the digital technology space. He is interested in technology's impact on work and labour and in fostering a dialogue between technology and society and a responsible digital future for all.



**Professor Jackie Leach
Scully**
The University of New South
Wales

Jackie is a Professor of Bioethics at UNSW. Jackie's research interest follows the socioethical response of various publics to technological innovation, with a particular focus on people with disability and other marginalised communities. Jackie spent many years in laboratory neurobiological prior to her socioethical work.





Trang Le
Monash University

Trang is an ADM+S and Monash University Ph.D. candidate. Trang's research sits at the intersection of media technologies, feminism, space/place, and datafication. Her current project looks at data-driven solutions to women's safety in public space, asking how these reconfigure our understanding of space and what this might mean for the feminist struggle for spatial justice.



Jeni Lee
Monash University

Jeni is a Research Fellow at Monash University and has 15 years of experience collaborating with diverse community groups, organisations, activists, artists and academics to produce people-centred documentary films. Her work bridges documentary filmmaking and communication for social change.



Maroussia Levesque
Harvard Law School

Maroussia is an affiliate at the Berkman Klein Centre for Internet & Society at Harvard Law School. Maroussia's current research focuses on AI governance, exploring polycentric models to arbitrate among public, industry, and civil society actors, and continuing previous work pertaining to the role of private actors in AI governance, with an emphasis on the United Nations Guiding Principles for Business and Human Rights.



Dev Lewis
Digital Asia Hub

Dev is a Research Fellow and Program Lead at the Digital Asia Hub, a Yenching Scholar at Peking University, and a Young China Watchers editorial team member. His work revolves around building cross-national exchange in people and ideas through community building and research.



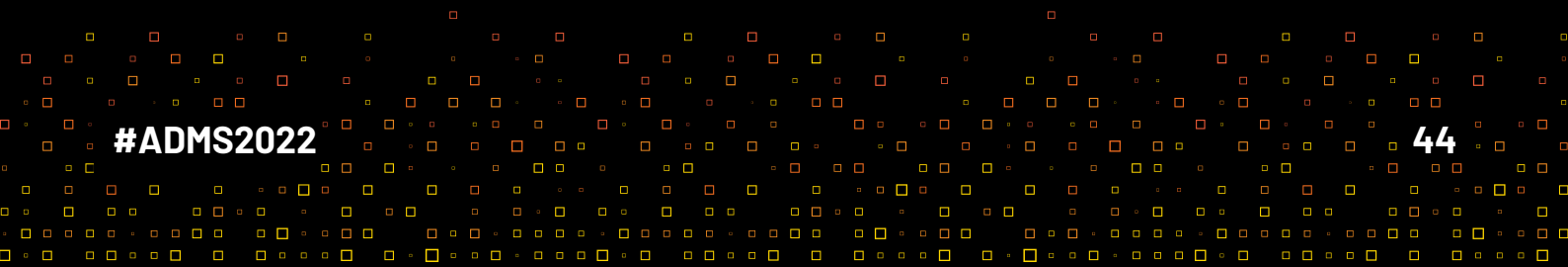
Dr Kelly Lewis
Monash University

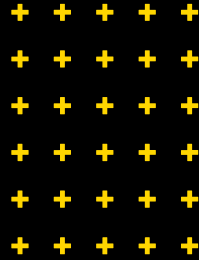
Kelly is a Postdoctoral Research Fellow in the ADM+S Centre and the Emerging Technologies Research Lab at Monash University. Her research focuses on the social, political, and cultural implications of digital media technologies and platforms, with a focus on social justice, visual politics, and critical theory.



Brenton Lillecrapp
The Deaf Butterfly Effect

Brenton Lillecrapp is a Learning Mentor for The Deaf Butterfly Effect. His work includes supporting deaf students at TAFE in Adelaide, aged care support work, and providing translation services for the deaf Bhutanese community in South Australia.





Monica Lim
Artist and Co-Founder of
Project Eleven

Monica is a pianist and composer of classical contemporary and experimental music. Monica has produced work for theatre, contemporary dance, installations and film, as well as solo and ensemble instrumental pieces. She is interested in new cross-disciplinary genres and forms as well as combinations of new technology with music.



**Associate Professor
Ramon Lobato**
RMIT University

Ramon is an Associate Professor of Media and Communication at RMIT. A media industries researcher, he has a special interest in video distribution, and has written widely on piracy and informal media. His current research projects investigate the cultural impacts of subscription streaming services and smart TVs in Australia.



**Professor Wiebke
Loosen**
Hans Bredow Institut

Wiebke is a Senior Journalism Researcher at the Hans Bredow Institute for Media Research in Hamburg. Her current research focuses on the changing journalism-audience relationship, the datafication of journalism, as well as algorithms' 'journalism-like' constructions of public spheres and reality.



**Professor Deborah
Lupton**
The University of New South
Wales

Deborah is a SHARP Professor in the Centre for Social Research in Health and the Social Policy Research Centre and Leader of the Vitalities Lab. Deborah currently serves as a Commissioner on the Lancet and Financial Times Commission, 'Governing Health Futures 2030: Growing up in a digital world,' and is a Fellow of the Academy of the Social Sciences in Australia and holds an Honorary Doctor of Social Science degree awarded by the University of Copenhagen.



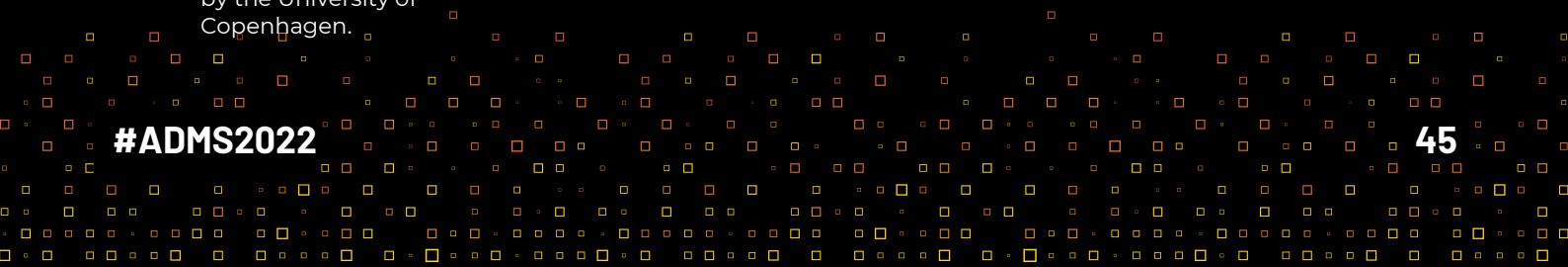
Dr Ben Lyall
Monash University

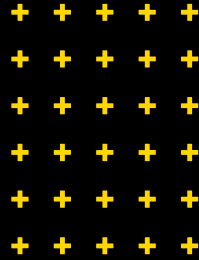
Ben is a digital sociologist and Research Fellow with the Emerging Technologies Research Lab (Faculty of IT) and the School of Social Sciences (Faculty of Arts) at Monash. He is interested in how social lives are impacted by digital infrastructures, smart devices, and policies associated with these.



Mara MacDonald
Performer and Sound Artist

Mara MacDonald is a performer and sound artist based in Melbourne. In her work, alien textures and algorithmic improvisation combine to create a soundscape simultaneously inhuman and deeply personal. Her multimedia sound shows, all built around live collaboration with livecoding and synthesis, have been performed across Melbourne from art galleries to dive bars.





Dr Ariadna Matamoros-Fernandez
Queensland University of Technology

Ariadna is a Senior Lecturer in Digital Media at QUT. Her research focuses on the interplay between user practices and platform politics in co-shaping contemporary racisms. She is currently setting up a research agenda around platform governance in relation to memes and other controversial humorous content



Professor Anthony McCosker
Swinburne University of Technology

Anthony is a Professor of Media and Communications in the School of Social Sciences, Media, Film and Education, and Deputy Director of the Social Innovation Research Institute. Anthony researches the impact and uses of social media and new communication technologies, with a focus on digital inclusion and participation and data literacy.



Caitlin McCulloch
Australian Red Cross

Caitlin is a Migration Support Program Senior Officer at the Australian Red Cross and a humanitarian practitioner with more than a decade of experience in supporting people seeking asylum, refugees, older people, and people with disability. She is currently leading a portfolio of work on transforming the Australian Red Cross Aged Care programs in response to the Aged Care Quality and Safety Royal Commission.



Laura McLean
Monash University

Laura is a Melbourne-based curator, writer, and researcher currently undertaking an ADM+S PhD in Curatorial Practice at MADA, Monash University. She holds a BVA (Hons) and MVA from Sydney College of the Arts, University of Sydney, and an MFA (Distinction) in Curating from Goldsmiths, University of London. She teaches at MADA and RMIT School of Art, and is an Associate Curator of Liquid Architecture.



Dr James Meese
RMIT University

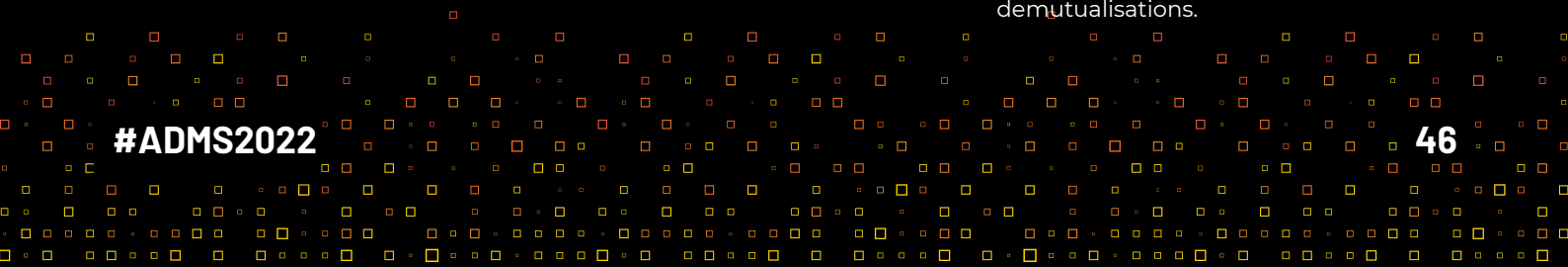
James is a Senior Lecturer in Media and Communication at RMIT. He is co-leading a project that explores how advances in telecommunications infrastructure will inform the future development of automated decision-making systems. James has also received research funding from the International Association of Privacy Professionals and ACCAN.

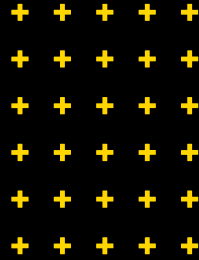


Adjunct Associate Professor John Morgan

The University of New South Wales

John Morgan is a Consultant at Allens and a Senior Visiting Fellow in the Faculty of Law at UNSW. His principal areas of interest are the regulation of the insurance and reinsurance industry, the impact of that regulation on insurers and the acquirers of their products and corporate activities including portfolio transfers, mergers and acquisitions, restructurings, and demutualisations.





Dr Silvia X Montaña-Niño
Queensland University of
Technology

Silvia is a Postdoctoral Research Fellow at the QUT Node of the ADM+S Centre. Her research is focused on the influence of metrics and algorithms on journalistic newsgathering, production, and distribution. Silvia also studies the evolution of digital journalism and the interdependencies between social media platforms and news outlets.



Darren Moyle
Vision Australia

Darren is a certified Orientation & Mobility Specialist at Vision Australia. He previously worked in the same capacity at Guide Dogs Victoria. Darren holds a graduate certificate in Vision Impairment / Orientation and Mobility, Disability and a bachelor's degree in Business / Commerce from Deakin University.



Juliette Murphy
FloodMapp

Juliette is a professional water resources engineer having specialised in hydrology and flooding for 13 years. After experiencing catastrophic flooding and the impacts on friends and family, she founded FloodMapp to improve flood emergency response, and a vision to make a global impact.



Adelide Mutinda
Humanitech

Adelide is an Innovation Program Manager at Humanitech. She has a strong interest in the intersection of economic and social systems, equity and inclusion. Adelide has over a decade of professional experience initiating, leading, managing and delivering innovative social impact solutions, projects and initiatives across Asia, Africa, North America and now Australia.



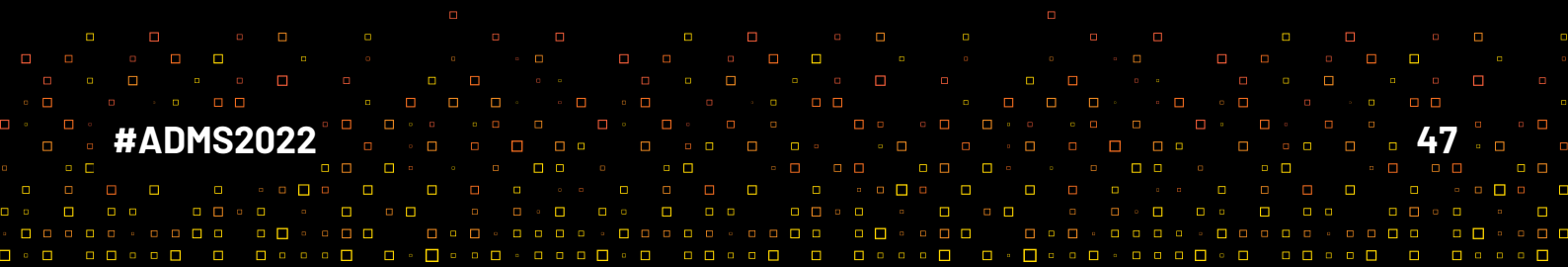
Kelsie Nabben
RMIT University

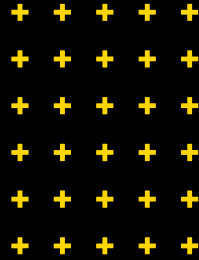
Kelsie's is an ADM+S PhD student at the RMIT Blockchain Innovation Hub and Digital Ethnography Research Centre (DERC). Kelsie researches the social outcomes of decentralised technologies and digital infrastructure in society. The intent of her research in human-machine futures is to contribute feedback loops towards engineering 'safer' systems.



Roslyn Orlando
Artist

Roslyn is a multidisciplinary artist working across live performance, video, text and experimental music. She is interested in the ways new technologies produce language, communication and meaning. Her work explores how these networked systems infiltrate, co-opt, and disrupt our ontologies, emotional transmissions and experiences of time, memory, death, desire, friendship and other socially formed cognitions.





Lizzie O'Shea
Digital Rights Watch

Lizzie is a lawyer, writer, and Co-Founder and Chair of Digital Rights Watch, which advocates for human rights online. Her commentary on law, technology, and human rights is featured regularly on television programs and radio, and her writing has appeared in the New York Times, The Guardian and the Sydney Morning Herald.



Dr Kylie Pappalardo
Queensland University of Technology

Kylie is a Senior Lecturer in IP & Innovation Law at QUT. Kylie studies how automation, digital distribution, and intellectual property laws shape the reach and diversity of our culture, seeking to develop and inform law, public policy and industry norms that prioritise marginalised voices and diverse perspectives.



Associate Professor James Parker
The University of Melbourne

James is an Associate Professor at the Institute for International Law and Humanities at UoM. His current work is on machine listening. He is the author of *Acoustic Jurisprudence: Listening to the Trial of Simon Bikindi* (OUP 2015) and co-curator of *Eavesdropping*, an exhibition and extensive public program staged at the Ian Potter Museum of Art in 2018 and City Gallery, Wellington in 2019.



Professor Jeannie Paterson
The University of Melbourne

Jeannie Marie Paterson is a Professor of Law at Melbourne Law School and teaches and researches in the fields of consumer protection law, consumer credit and banking law, and AI and the law. She is co-director of the Centre for AI and Digital Ethics at the University of Melbourne.



Professor Sarah Pink
Monash University

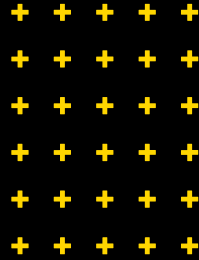
Sarah is the Director of the Emerging Technologies Research Lab at Monash University. She is an expert in automation and digital and emerging technologies. Sarah is known globally for her leadership in futures anthropology and design anthropology, her methodological innovation in visual, sensory digital and qualitative futures research, and her expertise in combining theoretical scholarship with intervention in interdisciplinary and stakeholder projects.



Joni Pirovich
Blockchain and Digital Assets Lawyer

Joni's legal practice and policy submissions span across issues in tax, financial services, IP, labour, litigation and wills and estates to support all types of web3 involvement by individuals, start-ups, funds, DAOs, exchanges, NFT marketplaces, banks and 'crypto-banks'.





Professor Jason Potts
RMIT University

Jason is a Professor of Economics and co-director of the Blockchain Innovation Hub at RMIT, the first social science research institute on Blockchain in the world. He and his team have pioneered the new field of institutional cryptoeconomics to help us better understand the economic impact of blockchain technology.



Alastair Pryor
Humanitech Lab

An award-winning inventor and designer, Alastair is the Head of the Humanitech Lab and an innovator who creates practical digital outputs to complex problems. His inquisitive nature to dive deep into the exploration of new technologies and innovative solutions has pushed him on quests to work in Africa, Europe, APAC and North America.



Dr Emma Quilty
Monash University

An ADM+S Research Fellow and sociocultural anthropologist by training, Emma is an expert in ethnographic research methods with a focus on embodied, feminist and sensory methods. Her PhD thesis examines witchcraft as a social phenomenon, by specifically looking at the everyday practices of young Australians.



Sahej Rahalc
Artist

Sahej is a Mumbai-based artist. His performances, installations, sculptures, paintings, films and AI programs narrate an absurd mythology that interrogates the narratives shaping our present. This myth-world draws upon archaeological records, conspiracies, science fiction, and folklore, orchestrating scenarios where indeterminate beings cohabit the porous boundaries of history, myth, and memory.



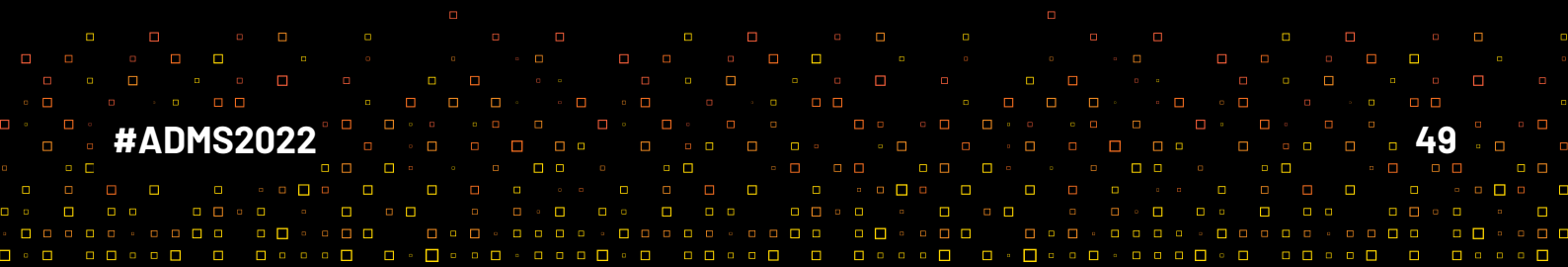
Professor Ellie Rennie
RMIT University

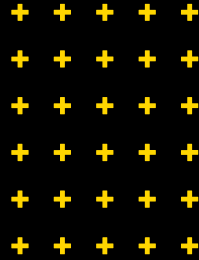
Ellie is an ARC Future Fellow and Principle Research Fellow in the Digital Ethnographic Research Centre at RMIT. Her current research is focused on social and policy questions arising from automation technologies, including blockchain. She has also worked extensively on the topic of digital inclusion, particularly in relation to remote Australia and Indigenous communities.



Associate Professor Michael Richardson
The University of New South Wales

Michael is an Associate Professor in the School of Arts and Media at UNSW. His transdisciplinary research examines affect, power, technology and violence in culture and war with an emphasis on witnessing and trauma. He is currently working on the intersection of automation, military technologies, and climate crisis.





Dr Megan Rose
The University of New South Wales

Megan is a Vitalities Lab Researcher at UNSW. Her research investigates youth-wellbeing, and how participant-centred strategies can help children and young people flourish, feel included, and develop a sense of agency and voice. Her work investigates the impact of social robotics in the health sector, including telepresence technologies and artificial companions such as AIBO and PARO.



Dr David Rousell
RMIT University

David is a Senior Lecturer in Creative Education and leads the Creative Agency Research Lab for transdisciplinary studies of creativity at RMIT. His research involves a re-imagining of educational cultures and environments in response to climate change and emerging technologies, and often involves collaborations with young people.



Dr Jathan Sadowski
Monash University

Jathan Sadowski is an ARC DECRA recipient and a Senior Research Fellow in the Emerging Technologies Research Lab in the Faculty of Information Technology at Monash University. He studies the political economy and social theory of digital technology.



Micaela Schmidt
Artist

Micaela is a theatre maker/performer, teaching artist and access consultant, with a particular interest in making the arts accessible to regional and remote communities, and people with disabilities.



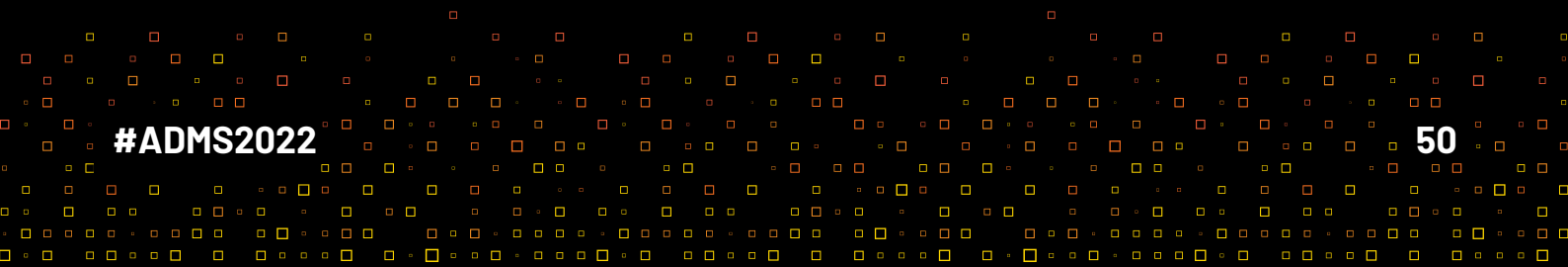
Natalie Sheard
LaTrobe University

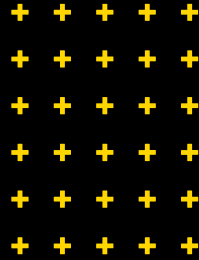
Natalie is a lawyer and doctoral candidate at La Trobe University. Her doctoral research and recent publications examine legal responses to discrimination by employers using algorithmic hiring systems. She is currently conducting an empirical study exploring the use, operation and impact of candidate screening systems in Australia.



Anna Shimshak
Monash University

Anna is an ADM+S PhD student at Monash University. Anna's research sits at the intersection of feminism, sociology, human computer interaction and visual culture. Her current PhD research explores the representation and construction of the body in embodied sextech, interrogating the ramifications of aesthetic and voice design within these technologies.





Tom Smith
Artist

Thomas is a Melbourne-based artist, musician and researcher. His work explores the tyranny and poetics of computational systems and other technology, and is concerned with the politics of creative economies, digital subjectivities, planetary futures, generic digital aesthetics, ambivalent affect and music as a mode of critical inquiry.



Professor Robert Sparrow
Monash University

Robert is a Professor of Philosophy at the Monash Data Futures Institute. He has published, in both academic journals and the popular press, on the ethics of military robotics, social robotics, videogames, and AI. He was one of the founding members of the International Committee for Robot Arms Control.



Dr Zahra Stardust
Queensland University of Technology

Zahra is an ADM+S Research Fellow and a socio-legal scholar working at the intersections of sexuality, technology, law and social justice. Zahra has worked in policy, advocacy, legal and research capacities with community organisations, NGOs and UN bodies on human rights in Australia and internationally.



Dr Joel Stern
RMIT University

Joel is a Vice Chancellor's Postdoctoral Fellow in the School of Media and Communication at RMIT. Joel is informed by his background in DIY and experimental music scenes. His work focusses on how social, political, and technical practices of sound and listening inform and shape our contemporary worlds.



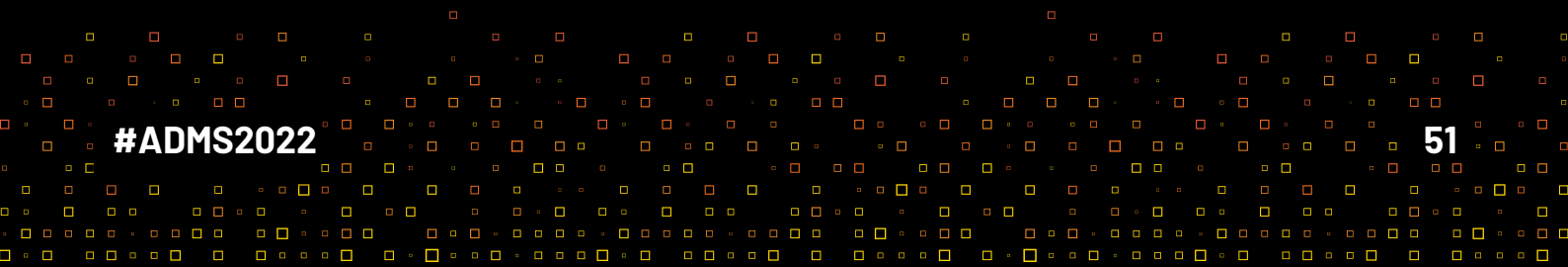
Associate Professor Yolande Strengers
Monash University

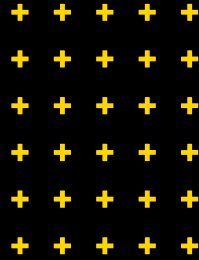
Yolande is an Associate Professor of Digital Technology and Society in the Emerging Technologies Research Lab, Monash University. Her research investigates the sustainability and gender effects of emerging and smart technologies. Yolande's most recent book is *The Smart Wife: Why Siri, Alexa and other Smart Home Devices Need a Feminist Reboot*, co-authored with Jenny Kennedy.



Zacharius Szuma
Artist

Zacharias Szuma is an electronic musician and writer from Melbourne. He has written for *The Monthly*, *Overland*, *Jacobin*, *The Quietus*, *The South China Morning Post* and other outlets.





Inga Ting
ABC News

Inga is a Data Journalist with the ABC's Digital Storey Innovations team. Her work has been recognised with numerous Australian awards and won several international data journalism prizes, including at the Sigma awards and Information is Beautiful awards. The DSI team specialises in data-driven investigations and visual storytelling for digital audiences.



Jess Tran
100 Story Building

Jessica is the co-founder and Evaluation & Story Hubs Manager of 100 Story Building. She is interested in the intersection of arts, education and social justice, and works in the areas of communication, advocacy, development and evaluation.



Dr Georgia van Toorn
The University of New South Wales

Georgia is a political sociologist whose principal interests are in social policy and welfare research. Her research program comprises a series of projects that investigate the politics of social policy reform, the organisation and delivery of social care, and care work in publicly funded social services.



Dr Emmanuelle Walkowiak
LaTrobe University

Emmanuelle is a Senior Lecturer in Economics and Finance and a research affiliate of the Olga Tennison Autism Research Centre (OTARC) at La Trobe University. Her current research investigates neurodiversity initiatives and the gig economy.



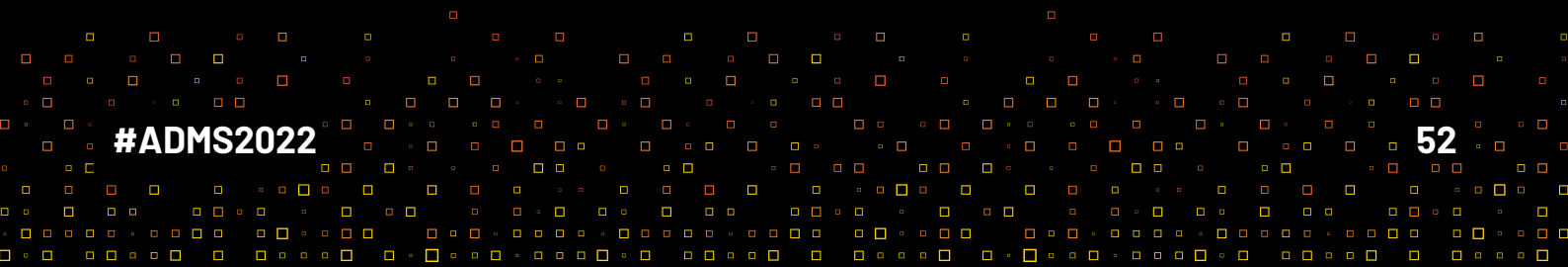
Barry Wang
The University of Sydney

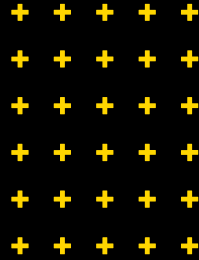
Barry is a researcher at the Sydney Centre for International Law at USYD and holds a Bachelor of Law and Bachelor of Science from the University of Sydney.



Dr Ash Watson
The University of New South Wales

Ash is an ADM+S Research Fellow and sociologist of technology, fiction and DIY community practices. Her work is aligned with the Health focus area and People program of the Centre. She researches the social impacts of how automated decision-making and AI are imagined, designed and implemented across contexts of health and wellbeing.





Dr Scarlet Wilcock
The University of Sydney

Scarlet is a Lecturer in the School of Law at the University of Sydney. She is a critical socio-legal researcher, focusing on the relationship between new technologies and social services law and administration. Scarlet uses empirical research methods to study the ways that new technologies reinforce, shape and/or transform the aims and outcomes of welfare payment delivery and how these changes affect welfare recipients.



Vaughan Wozniak-O'Connor
The University of New South Wales

Vaughan Wozniak-O'Connor is an artist and emerging ADM+S researcher based in Sydney. His PhD research used self-tracking data to create site specific data installation artworks. He has exhibited extensively as an artist and curator and has previous research experience in digital holography and medical 3D printing applications.



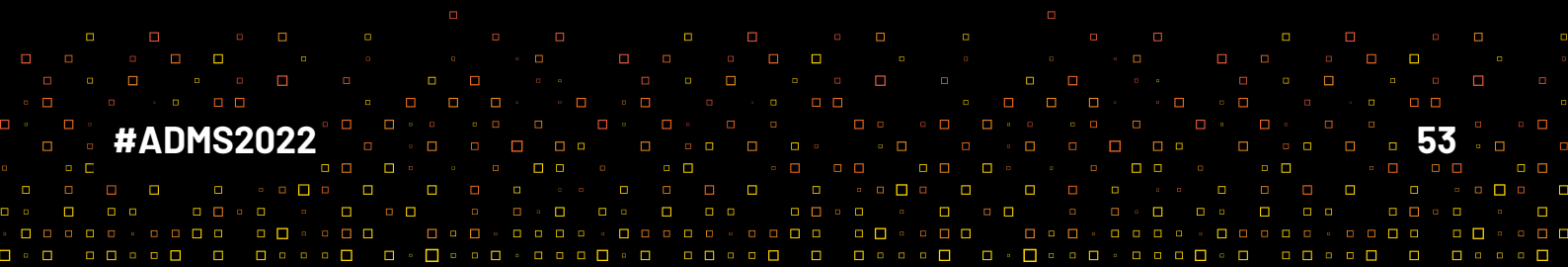
Professor Haiqing Yu
RMIT University

Haiqing is an Vice-Chancellor's Principle Research Fellow at RMIT University. Haiqing is a critical media studies scholar with expertise on Chinese digital media, communication and culture, and their sociopolitical and cultural impact in China, Australia and the Asia Pacific. She is currently working on projects on China's digital expansion and influence in Australasia.



Emile Zu
Artist

Emile Zile is an artist, filmmaker and performer. In the re-use and re-encoding of media broadcasts, communication protocols and online platforms his work reflects a distributed humanity, a yearning for transcendence and the limits of language. Building on a background in video, his work utilises site-specific performance, portraiture and filmmaking to capture the traces of humanity within an accelerating digital culture.





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