2023 ANNUAL REPORT

THE UNIVERSITY OF MELBOURNE

Centre for Artificial Intelligence and Digital Ethics







A YEAR IN NUMBERS

1 Summer Research Academy

3 Research Trips to Viet Nam

3 Interns

6 Seed Funded Projects

9 Authored Media Articles

16 Public Events

19 Peer Reviewed Publications

33 Media Interviews

972 Students

2,489 Newsletter Subscribers

3,671 X (formerly Twitter) Followers

1,300+ Event Registrations

NINIAN STEPHEN LAW PROGRAM: NEW LEGAL THINKING FOR EMERGING TECHNOLOGY

This project is a four-year initiative powered by the Menzies Foundation. It aims to enhance the legal profession's ability to effectively address the challenges posed by emerging technologies.

Its primary goal is to build capacity for the legal profession to provide an effective response to the challenges of emerging technology.

The current phase of the project aims to identify the skill gaps that exist for lawyers working in this space.

In March, Dr Fahimeh Abedi was invited to Ritsumeikan Asia Pacific University in Beppu, Japan. She shared her expertise in the field of law and technology innovation and introduced the Ninian Stephen Law Program.

In July, Cam Whittfield and Prof Jeannie Marie Paterson took the project theme of ‘New Legal Thinking for Emerging Technologies’ to Singapore with a group of 28 JD students from Melbourne Law School in the New Tech Law subject to explore what state of the art new technologies mean for legal practice.

In August and September, Dr Fahimeh Abedi, Prof Tim Miller, Prof Atif Ahmad and Prof Lars Kulik conducted surveys with private and in-house lawyers who work in Australia and provide legal advice about emerging technology.

26 in-house lawyers shared their insights which helped Dr Fahimeh Abedi and the team to develop recommendations that can shape the future of the legal sector in the rapidly evolving tech landscape. These findings will be published in 2024.





NINIAN STEPHEN LAW PROGRAM

EVENTS | APRIL - MAY

CHATGPT: LAW, LEGAL ADVICE AND OTHER INTEGRITY CHALLENGES

A seminar panel discussion between Prof Julie Clarke (Melbourne Law School), Kendra Fouracre (King & Wood Mallesons), Michael Pattison (ContractProbe), Prof Julian Webb (Melbourne Law School) and Prof Jeannie Marie Paterson (Melbourne Law School) focused on the functionality of ChatGPT and its implication for law, professional duties of care and the giving of legal advice.

Hosted: Science Gallery Melbourne
Registered: 421
Attended: 159

CYBER RANSOMS AND CORPORATE RESPONSIBILITY

Rachael Falk (Cyber Security Cooperative Research Centre), Rosemary Langford (Melbourne Law School), Prof Jeannie Marie Paterson (Melbourne Law School) and Cam Whittfield (Herbert Smith Freehills) conducted a panel event on the law, practice and policy of cyber ransoms and the duties of directors. This event was supported by the Menzies Foundation, Corporate Law and Financial Regulation Group and the Melbourne Centre for Commercial Law.

Hosted: Melbourne Law School
Registered: 227
Attended: 69

ONLINE DISPUTE RESOLUTION AND THE END OF ADVERSARIAL JUSTICE?

"Although proponents of legal tech in general and online dispute resolution in particular proclaim that their innovations will expand access to justice for "simple cases," evidence of how the technology actually operates in the United States and who is benefitting from it demonstrates just the opposite."

Prof Norman Spaulding is the Nelson Bowman Sweitzer and Marie B. Sweitzer Professor of Law at Stanford Law School. He is a nationally recognised scholar in the areas of professional responsibility and civil procedure, and his research focuses on theories of adjudication. In July, the Centre for AI and Digital Ethics had the pleasure of hosting Norman for a discussion on Online Dispute Resolution.

Registered: 102
Attended: 59

CHATGPT AND GENERATIVE AI IN THE STUDY AND PRACTICE OF LAW

In August, students from Melbourne Law School (MLS) were warmly invited to join Kendra Fouracre (King & Wood Mallesons), Tom Dreyfus (Josef Legal) and Prof Julie Clarke (MLS) for a discussion on ChatGPT and other types of generative AI in the study and practice of the law. There was standing room only.

Registered: 294
Attended: 150

CORPORATE CULPABILITY OF BIG TECH

A/Prof Julia Powles is the Director of the UWA Tech & Policy Lab and Associate Professor of Law and Technology at UWA Law School. Her research focuses on privacy, intellectual property, internet governance, and the law and politics of data, automation, and AI. In September, we welcomed Julia for a discussion on the corporate culpability of large tech organisations.

Registered: 60
Attended: 30





BUILDING RESILIENT LEGAL ADVICE FOR CYBER AND CRITICAL TECHNOLOGIES IN VIET NAM

Proudly supported by the Department of Foreign Affairs and Trade's Cyber and Critical Technology Cooperation Program (CCTCP), this project aims to build the capacity of lawyers in Viet Nam to give ethical and legal advice in the pursuit of safe, resilient, democratic and human rights-based approaches to emerging and critical technologies.

This project also builds on CAIDE Law: Ninian Stephen Law Program: New Legal Thinking for Emerging Technologies, supported by the Menzies Foundation and we are honoured to be working with both Australian and Vietnamese Lawyers to develop new legal approaches to technology in the Asia-Pacific.

In 2023, the CAIDE team visited Hanoi three times:

In April, Prof Jeannie Marie Paterson, Prof Tim Miller, Gabby Bush, Dr Fahimeh Abedi and Nhung Nguyen Thi met with partners from the Ministry of Justice, Hanoi Law University and Viet Nam National University. They received a warm welcome from the International Cooperation Department and the Vice Minister of Justice, Dang Hoang Oanh.

The team delivered three workshops for participants from across 13 departments of the Ministry of Justice, as well as the Judicial Academy, Viet Nam Bar Federation, Ministry of Public Security, Ministry of Information and Communications, Ministry of Science and Technologies and Hanoi Law University.

Sessions included Demystifying AI, Law and Regulation for new technologies and Cyber Security. With over 70 participants across two days, CAIDE was privileged to hear about their experiences working between law and new technologies as well as learning more about the new Decree on Protection of Personal Data in Viet Nam.

In July, Dr Fahimeh Abedi, travelled back to Hanoi to conduct face-to-face interviews with ten lawyers. She gathered insights on law and emerging technologies, AI, and cybersecurity strategies in Viet Nam.

Dr Abedi also met with Mr. Phong, Head of the International Law Division, and Mrs. Phuong, Head of the Division Managing Lawyers and Legal Support Affairs at the Ministry of Justice in Viet Nam. These meetings proved instrumental in gathering critical insights from key stakeholders in the legal landscape of Viet Nam.

CYBER & CRITICAL TECH COOPERATION PROGRAM

During the last week of November, the CAIDE team travelled to Vietnam for a third time. During this time, Dr Shaanan Cohney and Prof Jeannie Marie Paterson spoke to staff and students at Hanoi Law University on global approaches to regulating AI. Dr Simon Coghlan and Susie Sheldrick spoke at Viet Nam National University on robots and ethics.

The team hosted two masterclasses and presented to lawyers and policy makers on topics covering:

- Uses, ethical guidelines and firm policies in using generative AI law firms and in house
- Technical capacities and limitations of generative AI
- Strategies, models and geo politics in regulating AI
- The case for equitable access to innovative technologies (within and between nations)
- Risks of harm to humans and the environment from burgeoning use of generative AI

We are grateful to the Ministry of Justice, Hanoi Law University and Viet Nam National University for hosting us and we are looking forward to welcoming our Vietnamese colleagues to Melbourne in June 2024.



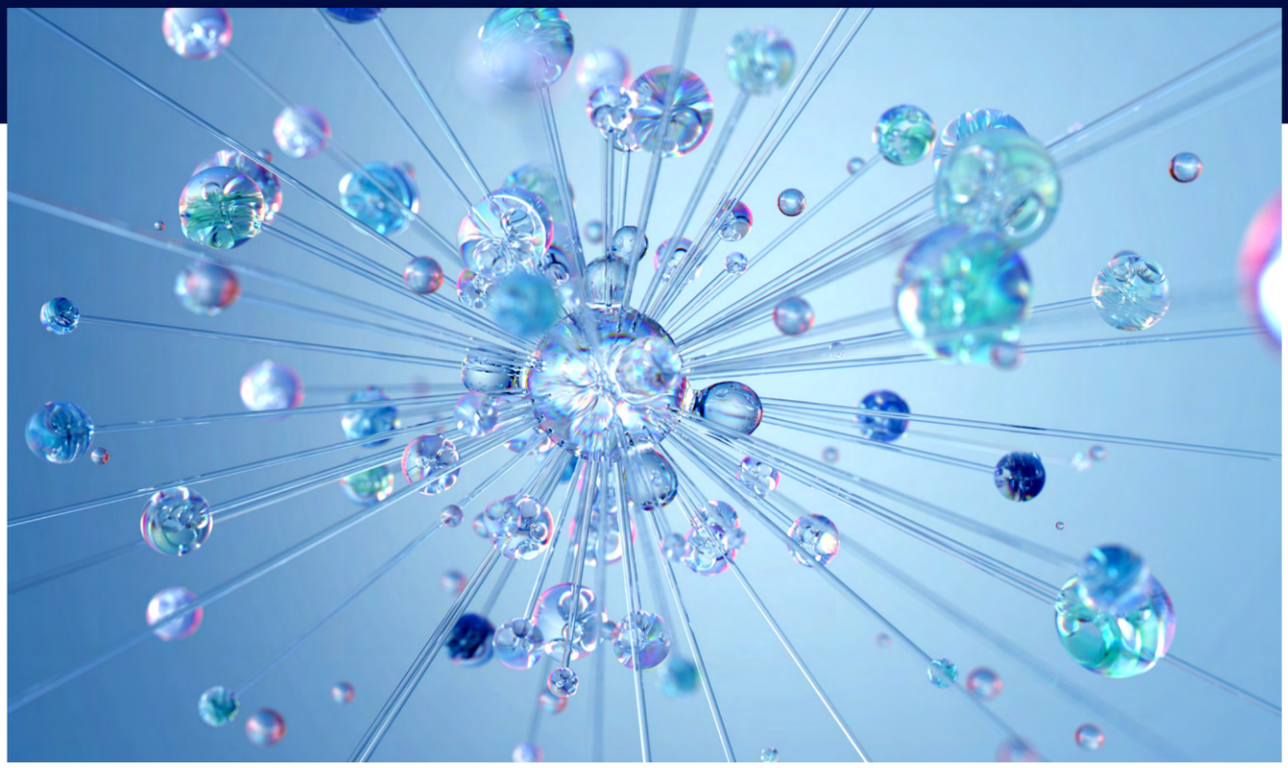


BUILD: BUILDING INCLUSIVITY BY DESIGN IN AI/ML POWERED HEALTHTECH

AN INDO-AUSTRALIAN PARTNERSHIP FOR INTERNATIONAL POLICY MAKING

Funded in 2023 by DFAT's Australia-India Cyber and Critical Technology Partnership, project BUILD is a collaboration between CAIDE, the National Academy of Legal Studies and Research (NALSAR) University of Law, India, and Ikigai Law.

The project aims to identify barriers to inclusive design of AI/ML tools in digital healthcare, to develop ethical policy frameworks for the development and deployment of existing and future critical technologies in healthcare, and will see the CAIDE team hosting a delegation from India in 2024, and visiting India in 2025.



SEED FUNDING

THEME: AUTOMATED EXPERTISE

The explosion of AI based tools such as large language models, AI diagnostic tools, chatbot mental health support and AI art generators have posed wide reaching and gritty challenges for various industries. We asked researchers what these new tools mean for their field and the expertise in their industry. What are the ethical, legal, philosophical, scientific, technical or policy-based challenges these tools are creating? Should we prioritise or ban the use of these tools? What can a human expert do that these tools can't or vice-versa?

CAIDE funded six projects in 2023.

Automated detection and analysis of ad-hominem attacks in climate misinformation

- Dr Lea Frermann (FEIT)
- Dr John Cook (MDHS)
- A/Prof Sergei Samoilenko (George Mason University)

This project is developing novel natural language processing (NLP) methods to model ad-hominem attacks on experts—a rhetorical technique which has been shown to dominate climate misinformation.

SEED FUNDING

Can algorithms teach us to be kind and compassionate?

- A/Prof Ana Dragojlovic (Arts)
- Dr Julieta Galante (MDHS)

The team is utilising an interdisciplinary methodology from feminist health humanities and public health, to investigate how kindness and compassion are self-constructed through mindfulness apps, how users understand such training, what effect they have on everyday experiences with kindness and compassion, and what unforeseen and/or harmful effects arise from the automated cultivation of kindness and compassion.

More of the same: Rendering of self in LLM writing and feedback processes – the crucial role of teaching expertise in an inclusive Higher Education future

- Brian Martin (MGSE)
- A/Prof Jeanne Marie Iorio (MGSE)
- Dr Megan McIntosh (Arts)

This team is developing a conceptual framework to explore the possible impacts of deploying automated tools in higher education writing and feedback processes without and alongside teaching professionals. In this way they conceptualise the LLM as a discursive force that could destabilise diverse student identities if unmediated by the care of a teaching professional.

Legacy and Language: The Ethics of AI Interventions into Art + Australia's 60-year-old Magazine Archive

- Dr Tyne Sumner (Arts)
- Prof Su Baker (Chancellery)
- Jeremy Eaton (FFAM)
- Chloe Ho (Arts)
- Rui Liu (FEIT)
- Dr Justin Munoz (Arts)
- Dr Nat Cutter (Arts)
- Dr Karen ann Donachie (Arts)
- Dr Andy Simionato (RMIT)

The project aims to explore the ethical implications of using AI to intervene in historical art and cultural archives, specifically within the context of Australian art history. By developing an AI interface trained on Art + Australia's archive (dating back to 1963) the team looks to consider how a novel AI interface can complement existing qualitative and theoretical analysis in Australian art history, at a critical time for diversity, inclusion and the centering of First Nations voices in the Australian arts and cultural sphere.



RESEARCH

SEED FUNDING

Playing with the "Judge, Jury and Executioner": Examining the Ethics of AI Moderation in Multiplayer Games

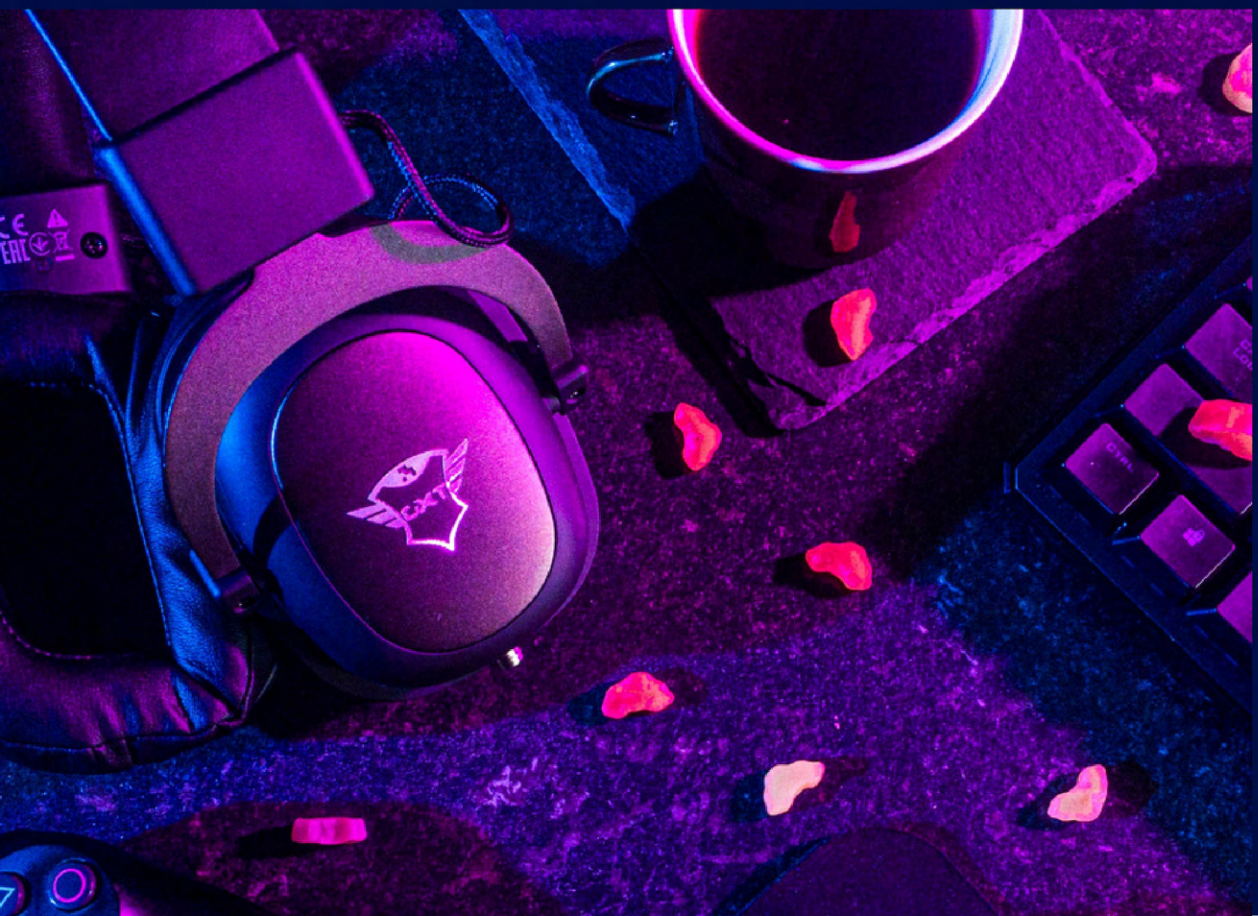
- Dr Lucy Sparrow (FEIT)
- Dr Mahli-Ann Butt (Arts)
- Caitlin Galwey (Law)

Large gaming companies are increasingly turning to AI moderation tools such as ToxMod and Bodyguard.ai to identify and respond to instances of player toxicity in multiplayer games. However, these tools can record in-game text and voice data, raising ethical concerns about the accuracy, reach and appropriateness of AI moderation in games alongside or instead of human moderator expertise. The team is investigating how players, human moderators, and AI moderation companies understand the role of AI in moderating behaviours in multiplayer games. They are also investigating the key ethical issues.

Using conversational agents and natural language processing to train and evaluate psychologists

- Dr Simon D'Alfonso (FEIT)
- A/Prof Litza Kiropoulos (MDHS)
- Dr Simone Schmidt (FEIT)
- Daniel Cabrera-Lozoya (FEIT)

Students of psychotherapy or online chat counselling trainees need numerous practice sessions to develop their skills. Traditionally these sessions require the involvement of a colleague to act as the therapy client.
The team has developed a chatbot, Client101, which can emulate various individuals presenting with mental health issues. They are testing Client101 with a group of psychologists/counsellors, to explore questions concerning the ethics, clinical utility, and human-computer interaction of using such a system for clinical training and evaluation.



POLICY SUBMISSIONS AND LAW REFORM

In February, Dr Shaanan Cohney, Gabby Bush, Dr Marc Cheong, A/Prof Tatiana Cutts, Dr Suelette Dreyfus, Liam Harding, A/Prof Toby Murray and Dr Sarita Rosenstock wrote a response to a Senate Inquiry Into International Digital Platforms Operated by Big Tech Companies.

Dr Shaanan Cohney, Liam Harding and Dr Suelette Dreyfus also wrote a response to The Treasury on Australian Consumer Protection in the era of Digital Platforms.

In July, Dr Shaanan Cohney, Prof Jeannie Marie Paterson, and Dr Sarita Rosenstock testified as expert witnesses to the Senate Economics References Committee hearing on the Influence of international digital platforms:

"Digital platforms play an increasing role in Australian public and private life–they are gatekeepers that control our access to goods, information, and services. However, with great power comes great responsibility and as numerous international governmental and non-governmental bodies have found, platforms are failing to adequately manage their share of the burden."

SUMMER RESEARCH ACADEMY

On 9 - 10 February, CAIDE held its Summer Research Academy, led by Dr Michael Wildenauer with a great group of 24 participants from the University of Sydney, Macquarie University, ANU, Monash University and Flinders University, in addition to PhD and other early career researchers from several faculties across the University of Melbourne.
The many different backgrounds (with interests ranging from FinTech to Theatre, to Philosophy, to Law and Computer Science) made for some very interesting conversations, and judging by the noise level, some interesting connections were formed between researchers who may not otherwise have met.
Sessions included (among others) some deep thinking about the ethical impacts of an AI product resulting in a cartoon as output, media training, and contributing expertise to policy submissions. It was a fabulous two days spent with lots of laughs as well as learning.





TEACHING

AI, Ethics and the Law (LAWS10009)
Undergraduate, Semester 2

This subject investigates the role of ethics and law in responding to the opportunities, challenges and risks raised by increasingly widespread use in society of AI and related computational processes. The subject covers the impact of AI on privacy, employment, interpersonal relationships, and human rights and explores a series of case studies including:

- Surveillance and facial recognition technologies
- Fake news and deep fakes
- Algorithmic decision-making in government and by business for employment, credit and social services

In 2023, this subject taught 240 students and was led by Prof Jeannie Marie Paterson.

Science and AI: Ethical and Legal Challenges (LAWS90203), Intensive, Winter Semester

This one-week long intensive subject was delivered under the Melbourne Law Masters program. The subject was also available to Masters students in the Faculty of Science and to those enrolled in the new Faculty of Engineering and IT course, Masters in Digital Infrastructure Engineering.

Students with diverse academic backgrounds made for lively discussions on topics ranging from the Human Rights implications of AI-powered neurotechnology to ethical risks that can arise in collecting data for simulation of traffic flow.

This subject had 13 students and was led by Dr Michael Wildenauer.

TEACHING

Emerging Technologies and Issues (ISYS90032), Semester 1

As with many other forms of technology, information technologies have lifecycles ranging from initial conception, to possible adoption, and widespread use, to eventual obsolescence. This subject examines emerging information technologies and the issues that relate to them, including: how they evolve and enter usage, and their likely future effects on people and social structures.

This subject welcomed 360 students and was led by Dr Simon Coghlan.

The Ethics of Artificial Intelligence (COMP90087), Semester 1

This subject provides students with the necessary tools to identify social and ethical issues of digital technology — particularly AI. Students learn to reason about these issues, discussing ideas and communicating concerns from differing points of view. The aim is to develop awareness of, and respect for, inclusion and the responsibility that comes with building powerful tools.

This subject was led by Dr Simon Coghlan and hosted 320 students.

New Technology Law (LAWS90107) Juris Doctor, Intensive, Winter Semester

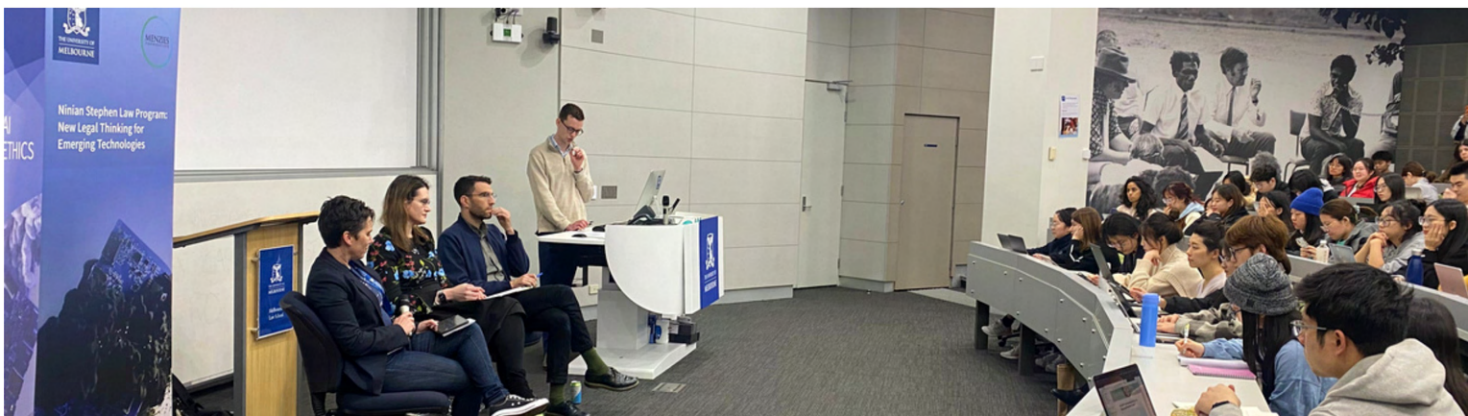
This subject investigates the way in which new technological innovation is affecting almost every aspect of the law. It provides students with an advanced understanding of the impact of new technologies on the business and practice of law.

This subject welcomed 26 students and was led by Prof Jeannie Marie Paterson.

Introduction to the Ethics of Artificial Intelligence Melbourne MicroCert

From deep fakes to chatbots, AI is an increasing presence in our lives and workplaces – but this raises ethical implications for businesses. This micro-credential is ideal for leaders and digital professionals who want a better understanding of the opportunities and risks of AI and how these can impact organisations.

The CAIDE micro-certificate hosted 13 students and was led by Dr Michael Wildenauer.



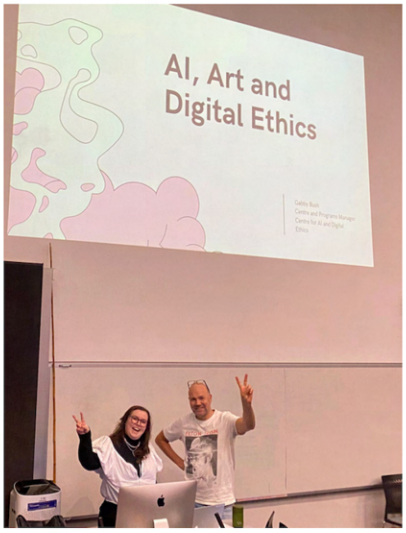
EVENTS & ENGAGEMENT

IN 2023 CAIDE HOSTED 18 EVENTS FOR OVER 1,000 ATTENDEES.









Events included:

- Public talks and seminars
- Presentations from visiting scholars
- Workshops for PhD students
- Showcase of intern projects
- AI book club
- Collaborative events such as Melbourne Connect Innovation Week
- Social gatherings





AWARDS





HUI XIAN CHIA

Hui Chia was awarded the 2023 James and Valerie McNiff Law Scholarship. Hui's PhD is 'Who is responsible for harm caused by artificially intelligent systems delivering healthcare?' Hui's supervisors are Prof Jeannie Marie Paterson (MLS), Prof Julian Savulescu (MLS/NUS), and Dr Daniel Beck (FEIT).

DR TYNE SUMNER

Dr Tyne Daile Sumner was awarded a DECRA grant in August, on investigating how recent forms of narrative fiction reflect and shape understandings of digital surveillance. Tyne's project aims to investigate how recent forms of narrative fiction reflect and shape understandings of digital surveillance. It expects to generate new knowledge about the personal and social implications of digital surveillance across different cultural, technological and geographical contexts. The project also aims to generate teaching and public engagement resources for research, industry, and government. This will substantially improve our understanding of the impact of digital surveillance at the individual, community, and national levels.

PEOPLE



HOLLY JONES

We welcomed Holly Jones as Centre Administrator at CAIDE in August. She has worked in various professional roles across the University and is interested in facilitating cross-disciplinary research. Holly completed an Honours Degree in Population Health in 2021, has spent time working as a research assistant studying mould in houses, and has a passion for finding interesting ways to communicate research problems and findings.

GABBY BUSH & TIM MILLER

We said farewell to Prof Tim Miller, CAIDE Co-Director. Tim took up a new position as Professor of AI at the University of Queensland but continued to work on the Ninian Stephen Law Program. We also said goodbye to CAIDE's Centre and Programs Manager, Gabby Bush, who is now living in Dublin. Gabby is still leading the DFAT project, Building Resilient legal advice for Cyber and Critical Technologies in Viet Nam.





CARMELINA CONTARINO

Carmelina graduated from her Bachelor of Arts in August. She is a CAIDE research associate and tutor in the subject AI, Ethics and the Law. Her interest in technology focuses on the sociological impacts of technological development. Carmelina is currently undertaking Honours in the History & Philosophy of Science program under the supervision of Prof Fiona Fidler. Her thesis explores the use and impact of scientific methodology through understanding researchers' perceptions of exploratory research.

PHD STUDENTS



SHILPA SINGH JASWANT

Shilpa is a PhD candidate at Melbourne Law School. Her PhD research examines the role of nation-states as political actors in regulating cross-border data and analyses its implications for the civil liberties of individuals. Her supervisors are Prof Jeannie Paterson and Prof Andrew Roberts. She has a strong passion for travelling, cooking and learning about different cultures.



ELVINA ANITA

Elvina is an IT-Law enthusiast whose PhD research focuses on ensuring trust in Metaverse from the perspective of privacy, ethics and regulations. Elvina enjoys travelling, cooking, immersing herself in any classical and historical heritage and spending good time with family and friends. She is being supervised by Prof Jeannie Paterson and Prof Julian Webb.

2023 PHD CONFIRMATIONS

Aidan McLoughney is researching Algorithmic Fairness in Automated Decision-making and is being supervised by Prof Jeannie Marie Paterson, Prof Tony Wirth and Dr Marc Cheong.

Rashika Bahl's PhD focuses on Transnationality and Misinformation: Understanding Migrants' Misinformation Experiences, her supervisors are Prof Shanton Chang, Dr Dana Marjory McKay and A/Prof George Buchanan.

Joshua Rose is studying the Political economy of cryptocurrency adoption in El Salvador. He is being supervised by Dr Fabio Mattioli and A/Prof Tatiana Dancy.

INTERNSHIPS



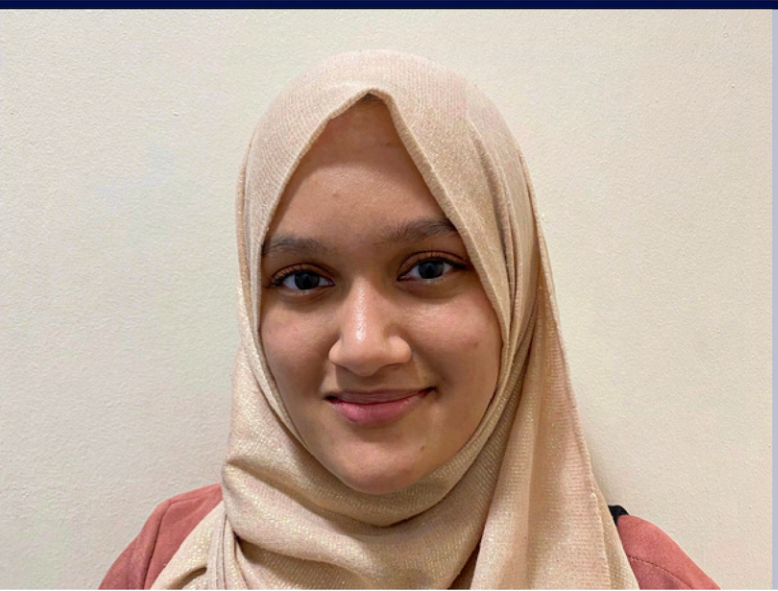
ALLEGRA TRIKASH

Allegra Trikash completed her second year of a Bachelor of Arts degree, majoring in Media and Communications with an interest to continue into the Juris Doctor Program.

BRI HINES

Bri Hines completed her third year of undergrad, studying a Bachelor of Arts with a major in Politics. Bri has a strong interest in how emerging technological developments may harmonise and clash with social wellbeing.





KHADIJAH MAJID

Khadijah was an exchange student from Queen Mary University of London, where she studied English with Creative Writing and is interested in pursuing a career with NGOs after completing her Masters in the UK.



A NOTE FROM OUR DIRECTOR

2023 was a big year for CAIDE. Two of our ‘founders’ moved on to new adventures: Professor Tim Miller moved to the University of Queensland and our Program Manager, Gabby Bush moved to Ireland.

The emergence of ChatGPT also caused a new burst of interest in our work in Artificial Intelligence and Digital Ethics. Technological change challenges us to rethink within our own core disciplines and re-engage with those of others, and this cross-disciplinary engagement is CAIDE in a nutshell!



PROFESSOR JEANNIE MARIE PATERSON

CENTRE FOR ARTIFICIAL INTELLIGENCE AND DIGITAL ETHICS

APPENDIX AWARDS

- Hui Chia was awarded the 2023 James and Valerie McNiff Law Scholarship. Hui's PhD is 'Who is responsible for harm caused by artificially intelligent systems delivering healthcare?' Hui's supervisors are Prof Jeannie Marie Paterson (MLS), Prof Julian Savulescu (MLS/NUS), and Dr Daniel Beck (FEIT).
- Dr Tyne Daile Sumner was awarded a DECRA grant on investigating how recent forms of narrative fiction reflect and shape understandings of digital surveillance, August 2023.

APPENDIX RESEARCH

- Heidi Peart and colleagues had their paper published on the UN website, February 2023.
- Thao Le presented her paper Explaining Model Confidence Using Counterfactuals at the AAAI conference in Washington, DC, February 2023.
- Rachel Burrows, Antonette Mendoza, Sonja Pedell, Leon Sterling, Tim Miller and Alexi Lopez-Lorca had their paper Technology for societal change: Evaluating a mobile app addressing the emotional needs of people experiencing homelessness published in the *Health Informatics Journal*, February 2023.
- Dr Simon Coghlan's paper, Robots and the Possibility of Humanistic Care, is one of Springer's Top 10 Downloaded Papers of 2022
- Coghlan, S., & Nansen, B. (2023). "It's About Safety Not Snooping": Parental Attitudes to Child Tracking Technologies and Geolocation Data. *Surveillance & Society*, 21. https://doi.org/10.24908/ss.v21i1.15719
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- Cheong, M., Wildenauer, M., & Bush, G. (2023, April 28). Lost in the Crowd, Ethical Concerns in Crowdsourced Evaluation and Testing of LLMs [Conference Presentation].
- Rosenstock, S. (2023, April 28). A House of Cards for Language Model Transparency [Conference Presentation].
- McIntosh, M., & Martin, B. (2023, April 28). More of the same: Rendering of self in LLM writing and feedback processes [Conference Presentation].
- Coghlan, S., & Quinn, T. (2023) Ethics of using artificial intelligence (AI) in veterinary medicine. *AI & Soc*. https://doi.org/10.1007/s00146-023-01686-1.
- Miller, T. (2023). Explainable AI is Dead, Long Live Explainable AI! *Hypothesis-driven decision support.* https://doi.org/10.48550/ARXIV.2302.12389
- Paterson, J. M. (2023). Making robo-advisers careful? Duties of care in providing automated financial advice to consumers. *Law and Financial Markets Review*, 1–18. https://doi.org/10.1080/17521440.2023.2196027
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- Paterson, J. (2023). Misleading AI: Regulatory Strategies for Algorithmic Transparency in Technologies Augmenting Consumer Decision-Making. *Loyola Consumer Law Review*, vol.34, no.Symposium, pp. 558-581.
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- Paterson, J., Bant, E., Felstead, N., & Twomey, E. (2023). Beyond the unwritten law: The limits of statutory unconscionable conduct. *Journal of Equity*, 17, 1-30. (With a focus on dark patterns and behavioural advertising).
- Sheldrick, S., Chang, S., Kurnia, S., & Mckay, D. (2023). Across the Great Digital Divide: Investigating the Impact of AI on Rural SMEs [Conference Presentation]. Pacific Asia Conference on Information Systems. https://aisel.aisnet.org/pacis2023/13/
- Coghlan, S. (2023). An irreducible understanding of animal dignity. Journal of Social Philosophy. https://doi.org/10.1111/josp.12543
- Abedin, E., Ferreira, M., Reimann, R., Cheong, M., Grossmann, I., & Alfano, M. (2023). Exploring intellectual humility through the lens of artificial intelligence: Top terms, features and a predictive model. Acta Psychologica, 238. https://doi.org/10.1016/j.actpsy.2023.103979
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- Chia, H., Beck, D., Paterson, J. M., & Savulescu, J. (2023). Autonomous AI: What does autonomy mean in relation to persons or machines? *Law, Innovation and Technology*, 1–21. https://doi.org/10.1080/17579961.2023.2245679.
- Cath Thompson, Reckless Indifference: The power of governance to create or destroy value and trust in digital ecosystems, accepted for HICSS 2024.
- Data Privacy and Consumer Protection Practices of Automated Mental Health, Wellbeing and Mindfulness Apps. Report written by Prof Jeannie Marie Paterson and Swetha Meenal Ananthapadmanaban.
- Saliba, L., Shioji, E., Oliveira, E., Cohney, S., & Qi, J. (2024). Learning with Style: Improving Student Code- Style Through Better Automated Feedback. 55th ACM Technical Symposium on Computer Science Education, 1-7.
- Wang, F., Cohney, S., Wahby, R., & Bonneau, J. (2024). NOTRY: Deniable messaging with retroactive avowal. Proceedings of Privacy Enhancing Technologies, 1-19.
- Coghlan, S., Gyngell, C., & Vears, D. F. (2023). Ethics of artificial intelligence in prenatal and pediatric genomic medicine. *Journal of Community Genetics*, 1-12.
- Marx, J., & Cheong, M. (2023). Decentralised Social Media: Scoping Review and Future Research Directions [Conference proceedings]. ACIS 2023. https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1058&context=acis2023
- Cath Thompson received an Outstanding Reviewer Award at ACIS2023.

- Prof Jeannie Marie Paterson presented a paper on ‘Misleading Conduct, Soft Law and New Technologies’ at the Supreme Court of Victoria
- Prof Tim Miller hosted a panel with Dr Denis Bauer from CSIRO, Stela Solar from CSIRO National AI Centre, and Dr Ian Opperman, Chief Data Scientist, NSW Government, at the Australian Government Data Forum, hosted by the Office of the National Data Commissioner (ONDC), 17 May.
- Cath Thompson's quotes were featured in the federal Joint Parliamentary Committee of Public Accounts & Audit.
- CAIDE and CIS colleagues participated in an online consultation with DISR on Safe and Responsible AI in Australia.

- Marc Cheong , Gabby Bush and Michael Wildenauer (Lost in the Crowd, Ethical Concerns in Crowdsourced Evaluation and Testing of LLMs) Sarita Rosenstock, (A house of cards for language model transparency), Brian Martin and Megan McIntosh (More of the same: Rendering of self in LLM writing and feedback processes) presented papers at the ChatLLM23 symposium at The University of Sydney on 29 April.
- Xanthe Lowe-Brown presented her research on improving the wellbeing of music listeners and their emotional needs at the HADES Seminar Series: Humanities in the Digital Age, 1 May.
- Dr Fahimeh Abedi spoke at the *2030: The Future of Technology and the Legal Industry* seminar in Sydney, 30 May.
- Carmelina Contarino presented her research to a panel at the University's John Medley Building on 16 May.
- Prof Jeannie Marie Paterson presented on ‘Misleading AI and Consumer Protection’ and, with Damian Clifford, ‘Banning Inaccuracy’ at the Technology and Private Law Conference held by the Chinese University of Hong Kong on 12 May.
- Prof Jeannie Marie Paterson presented a paper on ‘Responsible AI and Responsible Lending’ at the Centre for Banking & Finance, National University of Singapore, Conference on Technology, Banking and Finance on 19 May.
- Prof Jeannie Marie Paterson presented a paper on Digital Assets, Consumer Protection and the Central Role of Contract in the Metaverse at a seminar organised by CAIDE affiliate researcher Fabio Mattioli and ADM+S.
- Susie Sheldrick presented her research on how advanced tech can impact the digital divide for rural SMEs, at the Oxford Internet Institute, University of Oxford, 14 June.
- Dr Fahimeh Abedi presented at *2030: The Future of Technology and the Legal Industry*, 20 June.
- Xanthe Lowe-Brown presented at the Global Arts and Psychology Seminar (GAPS2) on the risks and benefits of emotion regulation features for music streaming services.
- Dr Simon Coghlan participated in a week long conference in Germany on the Roadmap to Responsible Robotics.

- Susan Sheldrick spoke about how AI is transforming the way we live and work at Strathcona Girls Grammar, 23 March.
- Prof Jeannie Paterson spoke at Trinity College Dublin on 'AI Informed Mental Health Apps: Privacy, Efficacy, Ethics, and Consumer Protection.'
- Dr Michael Wildenauer participated in a *HELP in Neurotechnology - the imperative considerations - Human Rights, Ethics, Law and Policy* roundtable, 17 May.
- Dr Michael Wildenauer participated at the Human Technology Institute, UTS/Services Australia's roundtable on "Legislating myGov as National Infrastructure" on 3 May.
- Dr Michael Wildenauer presented a guest talk to the University of the Third Age (U3A) Hawthorn entitled "The Trouble with AI - an introduction to AI and its impacts" on 18 May.
- Prof Jeannie Marie Paterson took part on a roundtable on 'Consent in the Digital World' with Reset Australia, 2 May.
- Prof Jeannie Marie Paterson spoke on a panel with Stela Solar (Data 61), and Joanna Batstone (Monash) and Felipe Flores (Dataology) on 'Responsible, ethical Al- How can we program ethical principles into Al?' as well as leading a round table discussion on ethical AI at Advancing AI, 4 May.
- Jeannie Marie Paterson spoke on a panel with Jon Faine, Kelly Clark, and A/Prof Nicholas Van Dam as part of *The Contemplation Conversations | Beyond the buzzwords: Navigating the risks and rewards of mental health apps,* organised by the Contemplative Studies Centre (recording available), 26 May.
- Dr Fahimeh Abedi delivered a guest lecture on "Medical AI and Law" for the Designer Humans subject, which was attended by biomedical students at the University of Melbourne, 10 May.
- Prof Jeannie Paterson spoke on 'Automated Mistakes' at the launch of Prof Elise Bant's new edited collection The Culpable Corporate Mind (Hart, 2023).
- Prof Liz Sonenberg gave an invited talk at the RaD-AI workshop on Mind the gap: Towards Rational Imperfection via 'Imperfect' Rationality, 30 May.
- Prof Jeannie Paterson and Dr Shaanan Cohney spoke in a panel on brain health and the regulation of brain-computer devices at the Future of Brain Health event hosted at Melbourne Connect, 8 June.
- Prof Jeannie Paterson spoke at the MD Student Conference University of Melbourne on generative AI, ethics and regulation for practice and study.
- Dr Sarita Rosenstock spoke on a panel for *FEIT's Enhancing Equity in AI: Challenging Gendered Assumptions*, 22 June.
- Dr Shaanan Cohney and Prof Jeannie Paterson presented at a Victorian Bar CPD on AI for Lawyers, 7 June.
- Dr Shaanan Cohney and Prof Jeannie Paterson were on a panel with the Director of the National Artificial Intelligence Centre on regulating AI, 20 June.
- Dr Marc Cheong delivered a keynote on *Ethical Considerations of AI for Local Government and Business* at Wyndham City Council's Smart City Summit, 23 June.
- Dr Michael Wildenauer gave a discussion and Q&A session on AI and Digital Ethics to IT Executives for Logicalis Australia.
- Dr Michael Wildenauer participated in the Australian Human Rights Commission's Neurotechnology and Human Rights Consultation Workshop. Michael and Prof Jeannie Paterson also made a written submission to the Consultation, 6 June.
- Dr Marc Cheong presented a keynote on Asymmetry, Algorithms, Adverse Design: social networks, their research opportunities, and challenges at Tilburg University, at the 3rd TSHD Digital Humanities Symposium, 16 June.

- Susie Sheldrick attended and presented at ENAIBLER, hosted by Umeå University, 7-8 June.
- Dr Shaanan Cohney gave a CIS Lightning Talk with Prof Tony Wirth.
- Dr Shannan Cohney moderated a panel on How Digital Media has Changed Communications.
- Dr Shannan Cohney presented a 10 minute Ted-Style Talk to the Faculty of Engineering's HR team, showcasing CAIDE's work.
- Shaanan, Cath and Susie attended Splendour in the Grass festival in Northern NSW with Australian Information Security Association doing Cyber Security Tunes Ups with festival goers.
- Dr Shaanan Cohney, Dr Sarita Rosenstock and Prof Jeannie Marie Paterson appeared before the Senate Economics References Committee as part of the inquiry into the Influence of International Digital Platforms.
- Cath Thompson was a judge for the MAVTech Awards for Excellence, which recognises innovation and delivery in Victorian local government settings.
- Prof Jeannie Marie Paterson spoke to the Medical Software Association in Brisbane on the regulation of AI.
- Prof Jeannie Marie Paterson gave a lecture on Facial Recognition Technology, Privacy, Ethics and Law at the University of Melbourne's Open day.
- Dr Michael Wildenauer attended a workshop held by Griffith Law School Workshop on "Technology, International Law, and Non-Legal Sources: Possibilities and Pitfalls."
- Dr Marc Cheong gave a keynote at Philosophy [in:of:for:and] Digital Knowledge Infrastructures on: Twitter Is Dead, Long Live X! A Decade of Microblog Research and Implications for Knowledge and Research.
- Dr Marc Cheong was invited to speak at BRIDGES-2023 - Second International Workshop on BRIdging the Divides with Globally Engineered Software in Papua New Guinea. Marc's talk was on "Diversity and Inclusion: Societal considerations for future AI use", with a focus on the PNG higher education sector and a software engineering context.
- Suelette Dreyfus, Fabio Mattioli, Prof Jeannie Paterson spoke with Jon Faine at Melbourne Law School on AI Fakes and Frauds.
- Dr Shaanan Cohney was the keynote speaker for a roundtable on risks and opportunities in AI, hosted by the Swedish Australian Chamber of Commerce (SACC). Along with 20 senior executives, His Excellency Pontus Melander, Ambassador of Sweden to Australia also participated.
- Dr Shannan Cohney presented on AI at the University of Melbourne's Professional Staff Conference.
- Prof Jeannie Paterson spoke about the risks and law of generative AI at the Peter Doherty Institute for Infection and Immunity.
- Prof Jeannie Marie Paterson took part in a panel discussing digital identification, privacy and cyber security law at King & Wood Mallesons.
- Prof Jeannie Marie Paterson presented at the 'Make Illegal Unfair' Seminar organised by the Consumer Policy Research Centre with Chandni Gupta (CPRC), Gerard Brody (Consumers Federation) and Dr Katharine Kemp (UNSW).
- Prof Jeannie Marie Paterson spoke at Thomson Greer's Women's Twilight Seminar Series on artificial intelligence with Bronwyn Lincoln (TG), Dianne Beer (TG) and Matthew Holt (ANU Cybernetics).

APPENDIX OUT AND ABOUT

- Prof Jeannie Marie Paterson spoke at the Australia India Institute's Digital Humanities and Intelligent Futures Conference on AI, Law and Digital Ethics.
- Prof Jeannie Marie Paterson spoke at the Centre for Legal Innovation's Legal Generative AI Summit 2023 with Terri Mottershead (CLI), Matthew Dunn (Queensland Law Society), Catherine Gleeson, (NSW Bar Council Member and Deputy Chair of the NSW Bar News Committee) and Jennifer Shaw (Bartier Perry Lawyers and Panel Member of the NSW Law Society's Professional Conduct Advisory Panel).
- Prof Jeannie Paterson spoke at the Institute for Ethics in Artificial Intelligence's TUM Speaker Series. Jeannie discussed ChatGPT, Ethics, Law and the Digital Integrity Arms Race.
- Gabby Bush gave a lecture on AI, Art and Ethics to Computer Science Masters students on 18 May.

APPENDIX MEDIA PUBLICATIONS

- Dr Marc Cheong wrote a Conversation article on how social media algorithms work, 11 May.
- Dr Simon Coghlan and Dr Shaanan Cohney wrote AI Apocalypse or Overblown Hype? for UniMelb Pursuit.
- Dr Simon Coghlan wrote Peter Singer's Fresh Take on Animal Liberation – a Book that Changed the World, but not Enough for The Conversation.
- A/Prof Toby Murray, Dr Marc Cheong and Prof Jeannie Paterson wrote a Pursuit article on Australia's Royal Commission into the Robodebt Scheme.
- Dr Lea Frermann, Sheilla Njoto, Dr Marc Cheong and Prof Leah Ruppanner wrote a Pursuit article on AI's discrimination of parents in the workplace.
- Xanthe Lowe-Brown collaborated on a Conversation article about Apple Health's new mood tracking feature.
- Prof Jeannie Marie Paterson, A/Prof Nicholas Van Dam and Dr Piers Gooding discuss issues arising with mental health apps in an article with The Conversation.
- Dr Shaanan Cohney and Dr Suelette Dreyfus wrote this Splendour of Cybersecurity Pursuit article.
- Dr Simon Coghlan wrote What'll be big in 2023? AI, that's what, discussing the creative capabilities of AI, Chat GPT and what we can expect to see in the field this year.

APPENDIX MEDIA INTERVIEWS

- Jeannie Paterson and Tim Miller spoke to SBS radio about ChatGPT. A summary of the interview was translated into several languages, April 2023.
- Jeannie spoke to ABC News Radio on the legal issues raised by the class action by victims of the recent cyber breaches against Optus, April 2023.
- Jeannie Paterson and Simon Coghlan were quoted in this Pedestrian article: Should Human Rights Organisations Use AI Art to Replace Photos, 3 May.
- Simon Coghlan was quoted in a Canberra Times article on Concerns mounting over use of AI in university assessments, 21 April.
- Prof Tim Miller was quoted in Ticker News discussing ChatGPT in Education, 21 March.
- Suelette Dreyfus was quoted in this ABC News article on ChatGPT's alter ego, DAN, 7 March.

- Dr Simon Coghlan spoke to SBS World News, 23 May. (Skip to 28m:25s).
- Dr Marc Cheong was on Triple J's Hack program with Dave Marchese discussing "secret sauces", "Wordle algorithms" and CAIDE's best friend, Basil, 11 May 5.50pm.
- Dr Marc Cheong was on ABC Melbourne Saturday Breakfast speaking about the good and the bad of algorithms, 27 May.
- Dr Marc Cheong was on Drive Radio, Joy FM talking about algorithms, social media and mindful usage, 30 May.
- A/Prof Nicholas Van Dam and Prof Jeannie Marie Paterson spoke to Life Matters on the risk of harms from mindfulness apps.
- Dr Shaanan Cohney appeared on ABC Radio Ballarat to talk about the implications of the new digital drivers licenses, 8 May.
- Cath Thompson was interviewed for the InnovationAus Commercial Disco podcast discussing the challenges of digital service delivery in government.
- Prof Jeannie Marie Paterson spoke on SAfm South Africa to discuss mental health apps.
- Prof Jeannie Marie Paterson was across Channel 10 News First to talk about employers tracking work-from-home activity of their employees.
- Xanthe Lowe-Brown was interviewed by Dave Marchese on Triple J Hack, talking about the ethical risks of Apple Health's new mood tracking feature. The segment starts at 5:55mins.
- Prof Jeannie Paterson was on JOY Fm's Drive Show to discuss her recent article Not all mental health apps are helpful.
- Prof Tim Miller spoke to Ticker News discussing ChatGPT in Education, 21 March.
- Dr Simon Coghlan was interviewed for a Probono Australia article on how charities can benefit from AI.
- Simon Coghlan was quoted in a Canberra Times article on Concerns mounting over use of AI in university assessments, 21 April.
- Suelette Dreyfus was quoted in this ABC News article on ChatGPT's alter ego, DAN, 7 March.
- Jeannie Paterson and Simon Coghlan were quoted in this Pedestrian article: Should Human Rights Organisations Use AI Art to Replace Photos, 3 May.
- Prof Jeannie Marie Paterson spoke with Cosmos magazine about LLMs and privacy, 23 May.
- Dr Simon Coghlan spoke with Cosmos magazine about AI and animals, 27 July.
- Dr Simon Coghlan was interviewed in Cosmos magazine: Video game animals: evolving from killable objects to positive protagonists.
- Dr Marc Cheong was interviewed for The New Daily article: Environmentalists and academics flee Elon Musk's Twitter nightmare.
- Prof Jeannie Marie Paterson was quoted in the Sydney Morning Herald by Sarah Berry in her article about Apple's new health tracking feature.
- Dr Shaanan Cohney was interviewed for The New Daily article: Sneaky or cheeky? Climate activists change the news to change views.
- Dr Simon Coghlan was interviewed for Cosmos on robots and animals: "A Menagerie of Robotic Animals" by Petra Stock.
- Prof Tim Miller appeared on Channel 9 News, discussing the banning of ChatGPT in Victorian Education, February 2023.
- Dr Shaanan Cohney was quoted in ABC Everyday on how to stay safe on Instagram.
- Dr Shaanan Cohney appeared in The Saturday Paper on Marriage in the Metaverse, February 2023.
- Prof Jeannie Paterson spoke on the Triple R Breakfasters Show discussing ChatGPT and the Metaverse, 19 January 2023.

APPENDIX TEACHING

- Cam Whittfield and Prof Jeannie Marie Paterson took the project theme of 'New legal thinking for emerging technologies' to Singapore with a group of 28 JD students from Melbourne Law School in the New Tech Law subject to explore what state of the art new technologies mean for legal practice.
- Jeannie Marie Paterson started her subject AI, Ethics and the Law with a visit from Julian Hill MP, who spoke about the process of policy, law reform, regulation and the challenges of new technology.
- Dr Michael Wildenauer taught Melbourne Law Masters intensive subject Science & AI: Legal and Ethical Challenges to postgraduate students from Law, Chemistry, Geology, and Digital Infrastructure Engineering. The subject featured guest speaking slots from specialists in IP Law and TGA medical software approval.

APPENDIX RESEARCH

- Dr Shaanan Cohney, Dr Simon Coghlan, Prof Jeannie Paterson and Prof Tim Miller were cited in Online Proctoring Problems and How FERPA Can Promote Student Data Due Process by Elana Zeide.
- Dr Fahimeh Abedi presented her paper, Benefits and Challenges of Using Artificial Intelligence in Online Dispute Resolution at the AICOL-JURIX2022 – 35th International Conference on Legal Knowledge and Information Systems, 14 - 16 December 2022.
- Clifford, D., Lau, K. H., & Paterson, J. M. (2023). Data and Private Law. Hart.
- Ojelabi, L. A., Abedi, F., De Koker, L., & Zeleznikow, J. (2023). Effectiveness of Dispute Resolution Processes Conducted Online: Findings from Empirical Research with Implications for Small Business Providing Dispute Resolution Services. Australian Business Law Review, 51(6), 345-359.

APPENDIX MEDIA

- Prof Jeannie Marie Paterson spoke to Channel 7 online about the Fortnite settlement with the US Federal Trade Commission and what it might mean for Australia.
- Prof Jeannie Marie Paterson spoke to Liam Tung from The Mandarin about the Government's responsibilities for modelling best practice in responsible AI.
- Dr Fahimeh Abedi was interviewed on the International Council for Online Dispute Resolution's podcast. During the interview she discussed insights from the Ninian Stephen Law Program.

APPENDIX

CONFERENCES AND SEMINARS

- A/Prof Julia Powles from UWA presented her paper: Corporate Culpability of Big Tech.
- Dr Fahimeh Abedi presented a paper 'Reshaping Justice: Exploring AI-Driven Online Dispute Resolution' at the Lawtomation International Conference in Madrid, Spain.
- Jeannie Marie Paterson presented on a panel on “Untangling Regulatory Objectives: Privacy Reform, Cyber Security and Digital Identity’ at the Australian Banking and Financial Services Conference in Queenstown New Zealand.
- Melbourne Law School students were invited to an event on ChatGPT and Generative AI in the Study and Practice of Law with Kendra Fouracre (King & Wood Mallesons), Tom Dreyfus (Josef Legal) and Prof Julie Clarke (MLS).
- Julie Clarke, Jeannie Paterson, Julian Webb, Kendra Fouracre and Michael Pattison spoke on ChatGPT: Law, legal advice and other integrity challenges at the Science Gallery.
- Blare Sutton, Rosemary Langford, Jeannie Paterson and Cam Whittfield spoke on Cyber Ransoms and Corporate Responsibility at Melbourne Law School.
- Prof Jeannie Marie Paterson and Swetha Meenal Ananthapadmanaban spoke at Berkeley Consumer Law Scholars Conference with on ‘AI Informed Mental Health Apps: Privacy, Efficacy, Ethics, and Consumer Protection."
- Dr Shaanan Cohney spoke at a Teaching and Learning Seminar hosted at the Melbourne Law School, on ChatGPT and generative AI technologies, on 19 April.

APPENDIX

OUT AND ABOUT

- Prof Jeannie Marie Paterson presented on ‘Generative AI and Legal Work’ at the Australian Government Solicitors Legal Conference in Canberra.
- Prof Jeannie Marie Paterson presented on ‘Generative AI and a Legal Duty to Innovate’ at the Australian Bar Association National Conference on the Gold Coast.
- Prof Jeannie Marie Paterson presented on “Generative AI: Time to run, hide or innovate’ at the ChilliIQ Legal Innovation Conference on the Gold Coast.
- Prof Jeannie Paterson spoke on a panel for the LIV, on the ethics of generative AI.
- Prof Jeannie Paterson spoke at a roundtable on Law and Technology – New Skill and Changed Practices at G+L Gates.
- Prof Jeannie Marie Paterson spoke on a panel for Privacy Awareness Week at KPMG with Veronica Scott KPMG, Sven Bluemmel Information Commissioner for Victoria and Diana Navarro, Energy Australia, 2 May.
- Dr Fahimeh Abedi visited Ritsumeikan Asia Pacific University in March 2023 and presented on the NSLP project.
- Dr Shaanan Cohney led a workshop at Georgetown Law on Privacy Enhancing Technologies in the Public Interest, 27 March.



Centre for AI and Digital Ethics

Level 8
Melbourne Connect
700 Swanston Street
Carlton 3053

unimelb.edu.au/caide