

Allens Hub

for technology, law & innovation

# Annual Report

FOR THE PERIOD  
1 JANUARY 2020 – 31 DECEMBER 2020

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## About the Allens Hub

The Allens Hub for Technology, Law and Innovation is an independent community of scholars based at UNSW Sydney. As a partnership between [Allens](#) and [UNSW Law](#), the Hub adds breadth and depth to research on the diverse interactions among technological change, law, and legal practice. The partnership enriches academic and policy debates and drives considered reform of law and practice through engagement with the legal profession, the judiciary, industry, government, and the broader community.

The Hub aims to be a global leader in solving legal problems and communicating solutions and ideas arising from technological innovation. It is a collaborative base for researchers across multiple disciplines and people across multiple sectors to engage with questions arising from technological change and innovation. The Hub seeks to be forward-looking, developing creative, well researched solutions to emerging – and yet to emerge – problems. It is developing a prominent national and international profile through its members who are active in academic, industry and public debates about regulatory and policy change in these areas.

New technology poses challenges which cannot be resolved solely by legal scholarship focused on particular technological contexts repeated across each field of disruption. We need to understand the challenges through a broader historical, legal and policy frame with close attention to developments in other jurisdictions and genuine cross-disciplinarity. This requires a strong culture of collaboration to build flexible and resilient legal and regulatory systems that accommodate ongoing change and encourage appropriate innovation while providing appropriate governance and oversight and promoting equality and inclusiveness.

The Hub originally secured three years of funding from Allens, and FLIP Stream (operating within the Hub) has secured five years of funding from the Law Society of NSW. Renewal discussions with Allens are currently underway.

This Annual Report covers the third full calendar year of the Hub's operations.

The Allens Hub benefits from a Steering Committee and Advisory Board and is grateful to members of each, listed in the Appendix.

## Director's Reports

### Lyria Bennett Moses – the Allens Hub

When I wrote the strategic plan for 2018–2020, closure of campus due to a global pandemic was not on the list of foreseen risks. However, the COVID-19 crisis has significantly altered the course of 2020. Our plans for co-launching a regional law and technology conference, for in person events and workshops, and for leveraging our dedicated Hub space on Level 3 of the law building have all been reconstructed or postponed.

We did manage some significant activities early in the year prior to COVID restrictions being put in place. This included the Legal Global Tech Venture Day event, where legal technology start-ups pitched their ideas as part of an international competition. We also hosted a workshop for Cyber Security Cooperative Research Centre law and policy fellows and presented an Allens CPD webinar on artificial intelligence. Since March, we focussed instead on things we could achieve while working from home, which included a diverse array of submissions and publications. Our annual Hub lecture became a virtual event via Teams, with Professor Frank Pasquale outlining an alternative vision for artificial intelligence and robotics. We have also been working on new courses to start rolling out in 2021, including cyber security law and policy courses at undergraduate and postgraduate level.

The Hub continues to participate actively in law reform, through submissions to and meetings with law reform commissions, parliamentary committees, and government departments. This includes multiple submissions

about privacy concerns related to the government's COVID-Safe app, workshops with the Australian Human Rights Commission (in relation to its work on human rights and technology) and the Department of Prime Minister and Cabinet (in relation to its work on data availability and transparency), meetings with the Department of Foreign Affairs and Trade (in relation to cyber security policy) and the Australian Law Reform Commission (in relation to future law reform work), and oral evidence to the Victorian Legislative Assembly Legal and Social Issues Committee inquiry into anti-vilification protections, to the Independent National Security Legislation Monitor (on the 'TOLA' amendments), and to the Parliamentary Joint Committee on Intelligence and Security (re data retention). More details about our submissions and their impact is at pages 12 and 27-28 in this report.

We are continuing to seek additional funding for specific research activities. Two UNSW students won Honours scholarships to work on topics related to cyber security (from the Cyber Security Co-operative Research Centre). We have also submitted an application for funding to the Australian Research Council's Linkage Projects scheme.

We continue to welcome all researchers, in the Faculty of Law and beyond, with interests at the intersection of technology, law and innovation. There are currently 46 researchers and research students in the Hub, working to varying extents on Hub-related projects. Their Hub-related publications are listed from page 19.

The Hub approved funding for eight streams for 2020, however funding was reduced for two streams and withdrawn for one, due to changing requirements as a result of COVID. We supported an additional four streams, some of which had funds remaining from 2019. These Hub research streams exist in addition to the FLIP Stream, which is funded by the Law Society of New South Wales under the leadership of Professor Michael Legg. Each Hub research stream has a Stream Leader who is responsible for the budget allocated to that stream (where relevant) and the activities of the Stream. The work of all research streams has adjusted over the course of 2020 as a result of the COVID-19 pandemic.

While the pandemic led to many changes, and the rollback of some plans, significant work was still done as highlighted in this report.

## **Michael Legg – the FLIP Stream**

The Future of Law and Innovation in the Profession Research Stream (FLIP stream) was created in November 2017 with the entry into a collaboration agreement between UNSW and the Law Society of New South Wales.

The FLIP stream is comprised of a Director, Deputy Director and Research Fellow. The Deputy Director is Dr Justine Rogers, senior lecturer at UNSW Law and the Research Fellow is Dr Felicity Bell.

Research in the FLIP stream addresses the impact of technology and innovation on the legal profession. It builds on the work conducted by the Law Society of New South Wales that led to its ground-breaking Report on the Future of Law and Innovation in the Legal Profession (FLIP Report).

The research is organised around an annual topic and a number of smaller or longer-term research projects and responses to law reform and government inquiries.

In 2018 the annual topic was Artificial Intelligence and the Legal Profession. In 2019 the annual topic focused on Change leadership for lawyers. In 2020 the annual topic was The Sustainability of Law and Lawyers, with a focus on:

- technology and dispute resolution, especially the use of online or remote hearings due to the COVID-19 pandemic;
- legal design – process simplification and improvement; and
- cost and financing, with a focus on the billable hour and alternative fee arrangements.

While the pandemic limited opportunities for conferences and presentations where the FLIPstream would normally engage with the legal profession and the academic community, it also allowed for the first-hand study of the use of remote technology. This then assisted with the annual topic's study of remote hearings and also gave rise to work on working from home or 'WFH' and its impact on the legal profession.

## Our People

### Hub and Flip Stream staff

- Professor Lyria Bennett Moses, Hub Director
- Professor Michael Legg, Director of FLIP Stream
- Dr Justine Rogers, Deputy Director of FLIP Stream
- Ms Katrina Brookland, Administrator (0.6 FTE)
- Dr Monika Zalnieriute, Hub Research Fellow (until August 2020)
- Dr Heejin Kim, Cyber Security CRC Research Fellow
- Dr Felicity Bell, FLIP Stream Research Fellow
- In 2020 the Hub supervised six interns. Natasha Hartanto, Minnie Assawakorntanapat, Darshan Pandya, Baoying He, Marie Veinberg, Lauren Parnaby. Hub interns were supervised by Hub research fellow Monika Zalnieriute and Director Lyria Bennett Moses, working as well with other Hub members on specific projects: from policy submissions on the impact of technology on environmental policy to analysing the legal issues surrounding the COVIDSafe app, facial recognition technology and rules as code.
- In 2020, the FLIP Stream supervised two interns, Jenny Lin and Catrina Chen. Felicity Bell supervised both interns. Jenny worked primarily on Artificial Intelligence and its impacts on lawyers wellbeing, and on Legal Design, contributing to the Legal Design Primer prepared by FLIP this year. As part of her internship, Jenny also wrote an article on 'Legal Design and Visualisation' for *Lawyers Weekly*. Catrina worked on researching costs and fee arrangements and lawyers' business models, specifically how these may support or inhibit innovation in legal practice.

### Advisory Board

The Allens Hub advisory board provides high-level advice. It consists of 16–17 members representing the legal profession, technology, industry, academia, government, and policy. The board is intended as a high-level strategic reviewer and a sounding board to ensure that the Hub's projects are important, relevant and have the potential for practical and/or policy impact. It provides exposure to a range of perspectives. In 2020, the board decided to increase the number of meetings from two to three annually. The board also approved terms of reference with clearer provisions on tenure. Several members retired in 2020: John Fitzgerald, Ian McGill, George Williams, John Price, Narelle Clark, Graham Greenleaf and Michelle Price. The following members have been appointed to the board in 2020: Gavin Smith, Andrew Lynch and Richard Harvey. New members will be announced in 2021.

Three meetings occurred during 2020 on 23 April, 30 July and 9 November. This year, the board focussed on:

- Strategic plan 2021–2025
- Navigating the Hub through workplace changes at UNSW

- Proposed research on accountability in government digital service delivery

## Steering Committee

The Allens Hub steering committee consists of six members who meet four times a year. The steering committee provides the primary mechanism through which both Allens and the Law Society of New South Wales can offer advice, direction and feedback concerning the Hub. It is also the Hub's primary governance body. There is a separate reporting line from the FLIP Stream Director to the Law Society of New South Wales. During 2020 the committee met on 16 March, 11 June, 17 September and 23 November. The following members retired at the end of 2020: Anna Collyer, Maurice Pagnucco and Andrea Durbach

The steering committee is responsible for oversight of:

- Annual plans and reporting
- Annual budgets, including allocations to research streams
- Major activities

## Affiliated Researchers

The Hub currently has 46 researchers and research students affiliated with it. They are:

Name	Research
Felicity Bell	future of legal profession and impact of technology, professional ethics and regulation, family and children law
Lyria Bennett Moses	theories and approaches to law and technological change; legal and policy issues for automation and data analytics; regulation for cyber security
Zofia Bednarz	issues arising out of the use of AI- and Big Data-related technologies for providing retail financial services to consumers.
Kathy Bowrey	intellectual property; technology and culture/history/politics/philosophy
Ross Buckley	FinTech; blockchain; data technologies in banking
Janet Chan	data technologies; technology and organisational cultures; technology for access to justice
Philip Chung	legal information services; technology for access to justice
Genna Churches	technology, telecommunications law, law enforcement and national security, public law, privacy law, and human rights law
Roger Clarke	dataveillance; responsible data analytics; cybersecurity risk management; RegTech
Caroline Compton	data science and its impact on humanitarianism and international development
Simone Degeling	equity and digital technologies
Belinda Dunstan	Social Robotics, Technology Ethics, Feminist technology theory, Human Rights/Robot Rights, Responsive Environments
Marc de Leeuw	Philosophy of Law and Science; Law, Nature and Bioscience; Law and Smart Robots/AI; Law & Cognitive Distribution
Anton Didenko	digital financial services, FinTech and RegTech
Bassina Farbenblum	technology for migrant worker protection and access to justice
Alexandra George	intellectual property
Tahlia Gordon	future of the legal profession
Janice Gray	water governance, digital assets
Graham Greenleaf	legal information services; data privacy and data governance; technology for access to justice
Michael Handler	intellectual property
Samuel Hartridge	privacy and data security law, civil liability for data breaches, and law enforcement and mass surveillance
Deborah Hartstein	law and political economy of the use of 'platform technologies' (e.g. data and algorithms) in Australian food retail
Jessica Hudson	equity and digital technologies

Name	Research
Vedna Jivan	professional legal practice
Fleur Johns	data governance and digital humanitarianism
Daniel Joyce	media law, human rights and data governance
Matthew Kearnes	STS; responsible innovations; public engagement
Matthew Keeley	online harms; technology use by children and young people
Katharine Kemp	digital financial services; competition law; data privacy
Dimitry Kingsford-Smith	future of legal profession; online investing regulation
Lesley Land	information security and management
Michael Legg	technology in litigation and dispute resolution; future of legal profession
Kayleen Manwaring	eObjects and Internet of Things; information technology and consumer protection; cyber security and corporate governance; network neutrality
Jennifer Moore	health law
Bronwen Morgan	sharing economy and technology platforms
Rob Nicholls	technology platforms and competition law; technology for access to justice
Justine Nolan	business and human rights
Michael Richardson	the intersection of affect, power and war through the lens of witnessing and testimony in culture, media and politics.
Justine Rogers	future of the legal profession; entry, socialisation and training; professional ethics and regulation
Nofar Sheffi	digital marketplace platforms; Terms of Service agreements; media theory and computer science
Alex Steel	technology in legal education, technology and criminal law
Simon Taylor	history and philosophy of science, biometrics, pattern recognition, artificial intelligence, sensor development, tacit knowledges, collaborative robotics, algorithmic deployment
Amelia Thorpe	planning, property and local government law, legal geography and urban studies
David Vaile	data governance; cloud computing
Marina Yastreboff*	*Marina is at UNSW Legal, but shares an interest in Hub research
Monika Zalnieriute	information policy and internet governance, human rights in the digital age, international data privacy law, and EU data protection law, data-driven discrimination, automation of government decision-making, LGBTI rights and feminist theory

## Achievements – Hub

This draft Annual Report covers the period from 1st Jan 2020 to mid-Oct 2020. The Hub's Annual Plan for its third year of operations was built around seven pillars, including community, communications, engagement, research, impact and funding. Goals and Measures were outlined in the annual plan. These were intended as flexible and adaptable, to facilitate responses to new opportunities as they arise. The outcome of each of these, are set out in the table below.

The focus for 2020 is on funding, ensuring we leverage the Hub (particularly the seed funding for streams) into applications for ARC Discovery, ARC Linkage or other funding.





Pillar	Goal	Measure	Achievement
<p><b>Enhance operations of core Hub team</b></p>	<p>Smoothly functioning core team as a means to deliver on all pillars</p>	<p>Improvements based on feedback from members.</p> <p>Smooth functioning within new physical “Hub” – productive collaboration.</p>	<ul style="list-style-type: none"> <li>• New physical “Hub” space on level 3 of Law Building, bringing together core Hub team, Hub PhD candidates, Hub interns and Hub visitors. Due to COVID-19, unactive for most of 2020.</li> <li>• Cyber Security Law and Policy Fellow is part of core Hub team, with networks across Law and Engineering.</li> <li>• In response to members survey in 2019, we have created a collective Zotero publications source for Hub members and improved the format of Hub members’ meetings to include work in progress presentations.</li> <li>• We are using a variety of tools (year planner, OneNote) to manage workload within the core Hub team.</li> <li>• We have improved our methods for collecting publications and other information from Hub members and Hub streams.</li> </ul>
<p><b>Community building</b></p>	<p>Hub meets the needs of its members, who gain real benefits from membership.</p>	<p>Improvements to operations based on feedback from members.</p> <p>Increased member attendance at Hub meetings and engagement of members with Hub events.</p>	<ul style="list-style-type: none"> <li>• Quarterly meetings with Hub members to discuss plans and create opportunities for collaboration and discussion of research. Average attendance at the three members meetings, so far, in 2020 has increased slightly on 2019. Attendance at the first meeting in March, was lower than normal due to COVID. However, attendance at the last two meetings has been higher than normal. This may be due to the fact that online meetings are easier to attend. Upon return to the work place the hub will conduct members meetings both virtually and F2F to continue to improve attendance numbers. In 2020, we had presentations by Monika Zalnierute and Hub intern Lauren Parnaby.</li> <li>• Emails and Teams sites to keep members apprised of opportunities and activities.</li> <li>• Continue to provide opportunities that encourage researchers interested in issues at the intersection of technology, law and innovation to join the Hub (either permanently or for the duration of a particular research project). The Hub had four new members in 2020.</li> </ul>

Pillar	Goal	Measure	Achievement
			<ul style="list-style-type: none"> <li>• While we continue to encourage co-authorship, mentoring and collective projects, the current socially distanced environment has made this more challenging.</li> <li>• Support reading groups on relevant subjects, ensure these are advertised to members and beyond as appropriate (currently 2 reading groups in place).</li> <li>• In 2020 the Data Justice Reading Group was run in partnership with Professor Mark Findlay, Director, Centre for AI and Data Governance at Singapore Management University. This collaborative approach brought new and diverse readings and perspectives to the group and created valuable connections between members of the Hub and the Centre at SMU.</li> </ul>
<b>Communications</b>	Continue to implement Communications Policy	Meet metrics in communications policy.	<ul style="list-style-type: none"> <li>• We use the website and Twitter to publicise news, publications, media mentions and activities. Our quarterly newsletter drives traffic to our website. See metrics on p18.</li> <li>• Disruptions at UNSW as a result of workplace change have complicated the process of refreshing our branding, but this continues in collaboration with the Allens marketing/sponsorship team.</li> </ul>
<b>Engagement</b>	Be <i>recognised</i> by stakeholders as the Australian centre of scholarship in our field.	<p>Favourable recognition of Hub brand and Hub researchers at domestic and international conferences.</p> <p>Media requests for comment on relevant issues.</p> <p>Requests from relevant policy-makers to comment/participate on relevant issues.</p>	<ul style="list-style-type: none"> <li>• We created a stakeholder map, which we continue to refine.</li> <li>• We participate in events with Allens and the Law Society of NSW, including webinars, debates and conferences.</li> <li>• We are creating new courses in cyber security law and policy at both undergraduate and postgraduate level.</li> <li>• Engagement with students has reduced as a result of COVID-19, but we continue to invite students to Hub events and arrange teleconferences with interested students.</li> <li>• Annual Hub lecture was held on 20 October with Frank Pasquale presenting on 'How AI can promote inclusive prosperity'. Over 215 registered</li> </ul>

Pillar	Goal	Measure	Achievement
		Useful engagement with all stakeholders.	
<b>Research</b>	Build on technology, law and innovation as an area of strength at UNSW Law.	<p>Link Hub publications to broader Hub strategy and stream objectives.</p> <p>Continue to meet separate FLIP Stream research targets.</p>	<ul style="list-style-type: none"> <li>• \$57,494 was approved in new funding to streams, although \$14,000 was redirected due to COVID-related cancellations. Stream reporting efficiency was improved.</li> <li>• A new FOR code has been introduced for law, science and technology after Hub advocacy.</li> <li>• Introduced Greentech stream, following discussions with Steering Committee and Allens.</li> <li>• Working with University of Melbourne and AustLII, leveraging previous work done with Cyber Security CRC, to create a “cyber law map”.</li> </ul>
<b>Impact</b>	Build on Hub’s reputation for sound, research-based policy advice in areas of expertise.	<p>5+ submissions on topics related to Hub’s research streams per year</p> <p>Monitor impact from past submissions through policy-making process.</p>	<ul style="list-style-type: none"> <li>• The Hub and its members made 19 submissions to parliamentary committees, law reform processes, government departments (listed pg27-29).</li> <li>• The Hub’s submission on Human Rights and Technology was cited 17 times in a range of contexts. The Hub also hosted a virtual consultation between AHRC and UNSW academics</li> <li>• Hub member Genna Churches gave oral evidence to the Independent National Security Legislation Monitor on the Telecommunications and other Legislation Amendment (Assistance and Access) Act 2018 (‘TOLA Act’) on 21 February 2020. The Hub was cited in the final report.</li> <li>• Hub Fellow Monika Zalnieriute and Hub member Genna Churches gave oral evidence to the Parliamentary Joint Committee on Intelligence and Security, Canberra, Australia on 14th February 2020</li> <li>• The Hub’s submission to the Parliamentary Joint Committee on Human Rights Biosecurity (Human Biosecurity Emergency) (Human Coronavirus with Pandemic</li> </ul>

Pillar	Goal	Measure	Achievement
			<p>Potential) (Emergency Requirements—Public Health Contact Information Determination 2020 (Cth), was cited by the committee and further information was sought by the Minister.</p> <ul style="list-style-type: none"> <li>• The Parliamentary Joint Committee on Human Rights (Report 6 of 2020), Cites Hub submission concerning legislative framework for COVIDSafe app.</li> <li>• The Hub gave evidence to Victorian inquiry into anti-vilification, following its written submission, which was quoted in the final report.</li> <li>• The Hub held a virtual roundtable with officers from Prime Minister and Cabinet regarding the Hub’s submission on the Data Sharing and Release Legislative Reforms Discussion Paper.</li> <li>• The Hub met with the Australian Law Reform Commission to discuss the potential for law reform relating to automated decision making.</li> <li>• Hub member Kayleen Manwaring’s work cited in World Economic Forum report on The State of the Connected World 2020, page 27 <a href="http://www3.weforum.org/docs/WEF_The_State_of_the_Connected_World_2020.pdf">http://www3.weforum.org/docs/WEF_The_State_of_the_Connected_World_2020.pdf</a></li> </ul>
<b>Funding</b>	Leverage the Hub to secure research funding from schemes such as ARC Discovery and ARC Linkage.	Ensure at least two significant streams of funding for Hub research by end of 2020.	<ul style="list-style-type: none"> <li>• Funding from Cyber Security CRC: one summer scholarship, 2 honours scholarships, 1 research fellow</li> <li>• Application for Australian Research Council Linkage Project in Round 2 2020. Awaiting result.</li> </ul> <p>Monika Zalnierute awarded grant under Australian Research Council DECRA (Discovery Early Career Researcher) Scheme.</p> <p>Other grants set out at p26 below</p>

## Challenges

- Cancellation of events, conferences, activities due to COVID-19 restrictions. In particular, we were unable to launch a new regional Law and Technology Conference with partner universities (University of Western Australia, National University of Singapore, Tsinghua University) due to restrictions on international travel.
- Delay and uncertainty, related to COVID-19, for sponsorship renewal
- Major workplace changes at UNSW, disrupting ability to coordinate with other parts of the university (such as finance, branding, marketing).
- The Hub research fellow left early in order to secure employment given lack of new hires at UNSW; a new fellow could not be hired pending sponsorship renewal.

## Research Streams

The steering committee approved the following research streams for 2020

- **Data Justice Research Network:** clarifying both how data justice arises as a problem in need of addressing and how it can be defined, measured, and delivered in different social and organisational settings.
- **FinTech:** looking at the legal implications of a variety of technology-driven developments in finance
- **Data as a source of market power:** exploring the impact of control of data on market power and implications for competition law.
- **Technology for migrant worker protection and access to justice:** scrutinising digital technology initiatives designed to prevent exploitation and improve recruitment and working conditions for migrant workers.
- **Data protection and surveillance:** investigating the nature and implications of developments in personal data informatics and analytics for the protection of individual, community, professional and public interests in data protection, privacy and confidentiality.
- **Platform co-operativism:** melds the tools of the digital economy with long-standing cooperative business models, opening opportunities for business model innovation that can better foster sustainable economic development, supported by creative legal models for enterprise and new modes of professional services. Examples include fairbnb <https://fairbnb.coop/> and Bhive: <https://bhive.coop/>
- **Hybrid life and legal personhood:** probing the changing concept of legal personhood in light of new "hybrid" entities.
- **Data analytics and intellectual property:** considering the impact of new technologies on IP's foundational concepts and categories.
- **Technologies and the Rule of Law:** in partnership with the Gilbert + Tobin Centre for Public Law, explores the relationship and tension between one of the most iconic social values - the rule of law - and an increasing reliance on automation in government decision-making.
- **Cyber security law and policy:** focusing on regional and trade issues for cyber security and surveillance technologies.

- **Informed consent and AI (artificial intelligence):** concerns the ability of a financial advice provider, who interacts with their client via artificial intelligence, to obtain informed consent to a breach of fiduciary duty.
- **Greentech:** seeking to understand the web of law and policy concerning green technology (“green tech”), a broad term describing the recent emergence of products that seek to protect and/or repair the environment and foster more sustainable relationships between nature and society.
- **The FLIP Stream annual topic for 2020 was:** The sustainability of law and lawyers including:
  - technology and dispute resolution;
  - legal design – process simplification and improvement; and
  - cost and financing.

## Events

The Allens Hub have been involved in and/or hosted the following so far in 2020. Due to COVID all events from mid-March were online

- 3 Dec – Hub members participate in Allens annual internal debate
- 3 Dec – Hub member Kayleen Manwaring speaks at the Consumer Law Roundtable hosted by Queensland University of Technology on consumer protection for cyber security threats inherent in emerging technologies'
- 2 Dec – Hub members Zofia Bednarz and Kayleen Manwaring speak at the Centre for Law, Markets & Regulation Research Symposium No 2 on artificial intelligence, insurers and consumer protection
- 1 Dec – Data as a Source of Market Power stream co-lead Rob Nicholls facilitates an ANZSOG National Regulators' Community of Practice webinar on platform regulation in Australia
- 27 Nov – Hub member Fleur Johns was Keynote Speaker at the Melbourne Doctoral Forum on Legal Theory, delivering a talk reflecting inter alia on the technological transformation of lives in the pandemic, entitled 'Songs and Static: Legalities of White Noise' (available at <http://dx.doi.org/10.2139/ssrn.3738405>)
- 27 Nov – Hub member Kayleen Manwaring chairs session on Law and Technology at the Centre for Law, Markets & Regulation symposium no 2
- 24 Nov – Hub member Kayleen Manwaring presents at DigiCon 2020.2 on ubiquitous computing as part of a panel on 'Society is a Cyborg: Law, limits and levers for new horizons in technology'
- 19-20 Nov – Rules of Law stream lead Monika Zalnieriute, speaks on, 'Rule of Law by Design?', AI and the Rule of Law: Regulation and Ethics, at the Annual Conference 2020, organized by the Information Law and Policy Centre, Institute of Advanced Legal Studies, University of London, London, UK (Online).
- 18 Nov – Hub member Fleur Johns spoke on a panel entitled 'Hope or hype? Hacking through the role of technology in refugee protection' at the Annual Conference of the Andrew & Renata Kaldor Centre for International Refugee Law
- 17 Nov – Data as a Source of Market Power stream co-lead, Rob Nicholls facilitates a Communications and Media Law Association webinar on streaming services regulation in Australia

Nov – Hub Director Lyria Bennett Moses speaks at This is My Masterclass event on the top of Human rights and the rule of law from technology perspective

- 10 Nov – Data Justice event – Disrupting Data Injustices II: A Covid-19 Virtual Roundtable
- 02 Nov – Hub Director Lyria Bennett Moses speaks at A rights-based approach to the design and use of AI
- 02 Nov – Data as a Source of Market Power stream co-lead Rob Nicholls presents on platform interconnection at the Internet Governance Forum Pre-Event number 40 "Interoperability: Openness in the Age of Platforms"
- 30 Oct – Hub hosts Data Availability and Transparency Bill roundtable
- 20 Oct – Hub annual lecture with speaker Frank Pasquale - How AI can promote inclusive prosperity
- 20 Oct – Platform cooperative stream lead Bronwen Morgan involved in the event Together Sydney: Communities Building Common Wealth, in collaboration with the Sydney Commons Lab
- 10 Oct – Data as a Source of Market Power stream co-lead Rob Nicholls presents on Australian perspectives on Protection of Press Publications and the fight against disinformation at the Global IP Congress
- 5 Oct – Rules of Law stream lead Monika Zalnieriute speaks on 'Rule of Law by Design?' to the EU Commission, Digitranscope Institute, Florence, Italy (Online)
- 24 Sep – Hub co-hosts the event on Creativity and Critical Thinking with Paulina Larocca.
- 19 Sep – Hub Director Lyria Bennett Moses speaks at Tsinghua University's 3<sup>rd</sup> international online forum on computational law, about online justice
- 16 Sep – Data as a Source of Market Power stream co-lead Katharine Kemp presents Unilateral Conduct Remedies in Digital Markets, alongside Andreas Mundt, Head of the Federal Cartel Office, Germany; Olivier Guersent, Director, DG-COMP, European Commission; and Christine Wilson, Commissioner, US Federal Trade Commission. In International Competition Network Annual Conference. Online
- 16 Sep – Hub member Kayleen Manwaring speaks at the Consent and Consumer Manipulation - Principles and Rules for a Fairer Platform Economy Paper Workshop hosted by ANU's Humanising Machine Intelligence (ANU HMI) and the University of Melbourne's Centre for Artificial Intelligence and Digital Ethics (CAIDE) on digital consumer manipulation and alternatives to consent'
- 9 Sep – Hub co-hosts the event Right or Privilege? Privacy of communications on the internet
- 9 Sep – Data as a Source of Market Power stream co-lead Katharine Kemp presents Regulating Digital Platforms. In Economics Society of Australia Webinar
- 8 Sep – Hub Director Lyria Bennett Moses is a panellist at Protecting Australia: Why we need a cyber security strategy
- 21 Aug – Hub Director Lyria Bennett Moses speaks at Núcleo de Pesquisa em Políticas Públicas e Desenvolvimento Humano (NUPED - Research Group on Public Policies and Human Development), a research centre affiliated to the Pontifical Catholic University of Paraná (Curitiba, Paraná, Brazil). event - Regulation of new technologies
- 19 Aug – Data as a Source of Market Power stream co-lead Katharine Kemp presents Misuse of Market Power. In Competition Law & Policy Institute of New Zealand Annual Conference. Online

- Aug to Nov – Data Justice stream co-lead Michael Richardson runs Drone Futures Seminar Series
- 28 Jul – The Hub’s Data Justice stream runs a work-in-progress round robin workshop
- 28 Jul – Hub Director Lyria Bennett Moses is a panellist at COVID-19: What roles should our government have in surveilling the population
- 21 Jul – Hub Director Lyria Bennett Moses is a panellist on UNSW Law Society Legal Technology panel
- 16 July – Hybrid Life / Legal Personhood stream research associate Simon Taylor presents on the implications (legal, social, political) of thermal imaging in workplaces during COVID-19. The talk was titled 'Fever Games: Temperature as Security Theatre' and held online for Media Virality and Lockdown Aesthetics facilitated by Dr. Tony D Sampson, hosted by the University of East London, UK
- 7 July - 2 Dec – Hub members Zofia Bednarz and Kayleen Manwaring speak at the Centre for Law, Markets & Regulation Research Symposium No 1 on artificial intelligence, financial services and consumer protection
- July – Platform Cooperatives stream lead Bronwen Morgan, stream lead of collaborated via the Sydney Commons Lab with a UTS intensive subject in the faculty of Transdisciplinary Innovation on the Past Present and Future of Innovation. Assisted in presenting students with a variety of approaches to regenerative economies, including Community Wealth Building and commons based economic organizational forms
- 19 Jun – Rule of Law stream lead Monika Zalnieriute co-hosts automated government and public law workshop with the UNSW G&T centre.
- 18 Jun – Hub Director Lyria Bennett Moses is a panellist at NSW Young Lawyers event - Technology in government decision making
- 12 Jun – Hub co-hosts COVID-19 and COVIDSafe – webinar examining the COVIDSafe App – with UNSW G&T centre
- 26 May – Data as a Source of Market Power stream co-lead Katharine Kemp, co-lead of is a panellist at - *COVIDSafe four weeks in*
- 28-31 May – Rules of Law stream lead Monika Zalnieriute, and FLIP Stream fellow Felicity Bell, present on 'Technology and the Judicial Role', at 2020 Law and Society Annual Meeting, Denver, USA (Online)
- 27 May – Hub Director Lyria Bennett Moses speaks on panel at Biometrics Institute event - Responsible and ethical use of biometrics in a crisis – where should we draw the line?
- 8 May – Hub Director Lyria Bennett Moses presents at NSW Government Privacy Seminar 'Privacy in unprecedented times'
- 5 May – Hub hosts a consultation between UNSW academics and the Australian Human Rights commissioner, on the commission’s discussion paper on human rights
- 29 Apr – Hub Director Lyria Bennett Moses co-presents a masterclass on data and privacy, part of a series organised by the Australian Computer Society.
- 20 Apr – Hub member Fleur Johns was Guest Speaker at the International Law Colloquium, University of Georgia Law School, giving a talk entitled '#Help: The Digital Transformation of Humanitarianism and the Governance of Populations'



- 15 Apr – Hub member Fleur Johns was Guest Speaker at the International Law Workshop, University of Michigan Law School, giving a talk entitled '#Help: The Digital Transformation of Humanitarianism and the Governance of Populations'
- 6-7 Apr – Hub Director Lyria Bennett Moses presents at the Universitat St.Gallen conference on the Future of Legal Services
- 4 Mar – Hub Director Lyria Bennett Moses presents a webinar for the Allens CPD series on AI and Ethics
- 20 Feb – Rules of Law stream lead Monika Zalnieriute presents, 'How Technology has Changed Public Law and How We Must Respond in the Classroom' at Public Law in the Classroom Conference, UNSW Law, Sydney, Australia
- 15 Feb Hub member Fleur Johns was Guest Speaker at the International Development Seminar at the Massachusetts Institute of Technology (MIT) Department of Urban Studies and Planning, giving a talk entitled '#Help: The Digital Transformation of Humanitarianism and the Governance of Populations'
- 11 Feb – Hub Director Lyria Bennett Moses chairs at the Law Schools Global League conference
- 10 Feb – Hub is a partner for the LegalTech Venture Day – a global competition to identify and support start-ups
- 10 Feb – Hub member Fleur Johns delivered a talk in the School of Social Sciences Seminar Series at the Institute for Advanced Study in Princeton, entitled '#Help: The Digital Transformation of Humanitarianism and the Governance of Populations'
- 29 Jan – Data as a Source of Market Power stream co-lead Katharine Kemp presents Concealed Data Practices and Competition Law. In NYU/ABA Next Generation of Antitrust, Data Privacy and Data Protection Scholars Conference. New York University, New York, USA
- 23 Jan – Hub hosts Cyber Security CRC: Law and Policy postdoctoral workshop
- Monthly Feb – Nov 2020 – Data Justice stream ran the Data Justice Reading Group in partnership with Mark Findlay, director, Centre of AI and Data Governance at Singapore Management University.

## Hub Communications

Evaluating Success – As per the Hub's communications strategy document (From 1<sup>st</sup> Jan 2020 to Dec 2020)

Communications Method	Metrics
Quarterly Newsletter	<p>The newsletter mailing list currently has 550+ subscribers</p> <p>Four newsletters were produced in 2020.</p> <p>An average of 44% of subscribers opened the newsletters</p> <p>The average click through was 10%</p>
Twitter	<p>The Hub's twitter account currently has over 680 followers and has made over 680 tweets</p>
Website	<p>Website engagement oscillates as people look at events and news. The website also operates as a useful repository for media mentions, events, submissions and updates.</p> <p>During 2020 3,069* sessions occurred on the Hub website.</p> <p><i>*Data provided from UNSW google analytics reporting. Period covers 1 Jan 2020 to 31 Dec 2020</i></p>
Media	<p>*Between 7 Jan 2020 and 31 Dec 2020 reference to the words 'Allens Hub' was mentioned in the media 112 times, including the coverage types listed below. This had a potential audience reach of 8,735,900 compared to a potential audience reach of 3,992,000 for the <i>whole</i> of 2019:</p> <p><b>Online:</b> 103</p> <p><b>Print:</b> 3</p> <p><b>TV:</b> 2</p> <p><b>Radio:</b> 4</p> <p><i>*Statistics provided from UNSW Media Coverage Stream report compiled on 7/01/2021. Period covers 7 Jan 2020 to 31 Dec 2020</i></p>
Research is being used in the public domain	<p>19 submissions were made by the Hub and its members between 1 Jan 2020 and 31 Dec 2020.</p>

## Publications

Because publication years are often fluid, the list includes 2019 publications not included in the 2019 annual report. It includes all 2020 publications, two of which were also reported in the 2019 annual report. The two publications double reported are asterisked.

Publications are organised by streams, briefly explaining the focus of publications this year. There are no 2020 publications for *GreenTech* and *Informed Consent and AI* but plenty of work on progress. In addition, Hub members have explored a variety of other topics in the field, and those publications are also included under relevant topic headings. The publications as a whole embrace theoretical, empirical and doctrinal approaches and a wide variety of issues. Some of these, such as (68) look at the relationship of law, technology and innovation at a broad level, while most others engage with specific questions that arise in a particular context.

## Data Justice Research Network

Publications all engage in critical analyses of aspects of using technology for the legal/justice system or the regulation of technologies. Publications by Janet Chan listed below relate to the impact of technology on policing and lawyering which has implications for justice. Publications by Michael Richardson listed below address key issues related to data and its exploitation by state actors for surveillance, social control and warfighting. Work shared by participants of the stream's WIP event in July has been invited for publication in *Big Data and Society* in a 2021 special section.

- (1) Guihot, M. & Bennett Moses, L. (2020). *Artificial Intelligence, Robots and the Law*. LexisNexis.
- (2) Legg, M., Vines, P., Chan, J., (eds.) (2020). *The Impact of Technology and Innovation on the Wellbeing of the Legal Profession*, Intersentia [also listed for FLIP Stream]
- (3) Bennett Moses, L., Chan, J., Logan, S. (2020). 'Rules in information sharing for security', *Criminology and Criminal Justice*, <http://dx.doi.org/10.1177/1748895820960199>
- (4) Sanders, C., & Chan, J. (2021). *The Challenges Facing Canadian Police in Making Use of Big Data Analytics*, in Lyon D; Murakami Wood D (ed.), *Big Data Surveillance and Security Intelligence The Canadian Case*, UBC Press, Vancouver, pp. 180 - 194
- (5) Chan, J., & Blackmore, H. (2020). *Public Sector Lawyering Stress and Wellbeing: Neoliberalism at Work?*, in Legg M; Vines P; Chan J (ed.), *The Impact of Technology and Innovation on the Wellbeing of the Legal Profession*, Intersentia, pp. 105 - 129
- (6) Poynton, S., & Chan, J. (2020). *The Paradox of Satisfaction and Distress Among Lawyers: Implications for a changing field*, in Legg M; Vines P; Chan J (ed.), *The Impact of Technology and Innovation on the Wellbeing of the Legal Profession*, Intersentia, pp. 57 – 75
- (7) Legg, M., Vines, P., Chan, J. (2020) *The Changing Field of Lawyering and its Impact on Practice and Wellbeing*, in Legg M; Vines P; Chan JB (ed.), *The Impact of Technology and Innovation on the Wellbeing of the Legal Profession*, Intersentia, Cambridge UK, pp. 3 – 28
- (8) Richardson, M. (2020). 'Pandemic Drones': Useful for Enforcing Social Distancing, or for Creating a Police State? *The Conversation*, March 31, 2020. <http://theconversation.com/pandemic-drones-useful-for-enforcing-social-distancing-or-for-creating-a-police-state-134667>.
- (9) Richardson, M. (2020). *Drone Cultures: Encounters with Everyday Militarisms*. Continuum, November. <http://www.tandfonline.com/doi/abs/10.1080/10304312.2020.1842125>.

- (10) Richardson, M. (2020). The Testimony of Drones. Sydney Review of Books, September 25, 2020. <https://sydneyreviewofbooks.com/essay/the-testimony-of-drones/>.
- (11) Richardson, M. (2020). Eyes on the World – Drones Change Our Point of View and Our Truths. The Conversation, September 7, 2020. <http://theconversation.com/eyes-on-the-world-drones-change-our-point-of-view-and-our-truths-143838>.
- (12) Fourcade, M., & Johns, F. (2020). Loops, ladders and links: The recursivity of social and machine learning, Theory & Society (published online doi.org/10.1007/s11186-020-09409-x)
- (13) Johns, F. (2020). Australia: Counting, countering and claiming the pandemic: digital practices, players, policies, in Linnet Taylor, Gargi Sharma, Aaron Martin & Shazade Jameson, eds., Data Justice and COVID-19: Global Perspectives, Meatspace Press pp.90-99
- (14) Johns, F., & Compton, C. (2020). Data Jurisdictions and Rival Regimes of Algorithmic Regulation, 14 Regulation & Governance (published online doi:10.1111/rego.12296)

## Fintech

Publications address a broad range of cutting-edge technology-driven legal and regulatory issues in finance.

- (15) Zetsche, D.A., Birdthistle, W.A., Arner, D.W., Buckley, R.P. (2020). Digital Finance Platforms: Towards a New Regulatory Paradigm, 23(1) University of Pennsylvania Journal of Business Law, 273-339.
- (16) Zetsche, D.A., Arner, D.W., Buckley, R.P. (2020). Decentralized Finance, 6 (2) Journal of Financial Regulation, 172-203.
- (17) Buckley, R.P., Arner, D.W., Zetsche, D.A., Gibson, E.C. (2020). Building Australia's FinTech Ecosystem: Innovation Hubs for a Competitive Advantage, 31 Journal of Banking and Finance: Law and Practice 133-140.
- (18) Buckley, R.P., Arner, D.W., Zetsche, D.A., Selga, E. (2020). TechRisk, Singapore Journal of Legal Studies 35-62.
- (19) Zetsche, D.A., Arner, D.W., Buckley, R.P., Weber, R.H. (2020). The Evolution and Future of Data-Driven Finance in the E.U., 57 Common Market Law Review 331-360.
- (20) Buckley, R.P., Arner, D.W., Veidt, R., Zetsche, D.A. (2020). Building FinTech Ecosystems: Regulatory Sandboxes, Innovation Hubs and Beyond, 61 Washington University Journal of Law & Policy, 55-98, Special FinTech issue.
- (21) Arner, D.W., Buckley, R.P., Zetsche, D.A., Veidt, R. (2020). Sustainability, FinTech and Financial Inclusion, 21 European Business Organisation Law Review, 7-35.
- (22) Buckley, R.P., Zetsche, D.A., Arner, D.W., Weber, R.H. (2020). The Road to RegTech: the (astonishing) example of the European Union, 21 Journal of Banking Regulation, 26-36.
- (23) Arner, D.W., Zetsche, D.A., Buckley, R.P., Weber, R.H. (2020). The Future of Data-Driven Finance and RegTech: Lessons from EU Big Bang II, 25:2 Stanford Journal of Law Business and Finance, 245-288.
- (24) Didenko, A.N. (2020) 'Cybersecurity Regulation in the Financial Sector: Prospects of Legal Harmonization in the European Union and Beyond' 25(1) Uniform Law Review, 125-167.

## Data as a Source of Market Power

- (25) Kemp, K. (2020). Concealed data practices and competition law: why privacy matters. *European Competition Journal*, 1-45. doi:10.1080/17441056.2020.1839228
- (26) Kemp, K., & Greenleaf, G. (2020). Competition and consumer watchdog spurs Australian privacy changes. *Privacy Laws & Business International Report*, 25-28.
- (27) Greenleaf, G., & Kemp, K. (2020). Australia's 'COVIDSafe' Law for a Voluntary Contact Tracing App. *Privacy Laws & Business International Report*, (165), 1-6.
- (28) Kemp, K. (2020). The US is taking on Google in a huge antitrust case. It could change the face of online search. In *The Conversation*. Retrieved from <https://theconversation.com/the-us-is-taking-on-google-in-a-huge-antitrust-case-it-could-change-the-face-of-online-search-148519>
- (29) Kemp, K. (2020). The ACCC is suing Google for misleading millions. But calling it out is easier than fixing it. In *The Conversation*. Retrieved from <https://theconversation.com/the-acc-is-suing-google-for-misleading-millions-but-calling-it-out-is-easier-than-fixing-it-143447>
- (30) Kemp, K. (2020). Every step you take: why Google's plan to buy Fitbit has the ACCC's pulse racing. In *The Conversation*. Retrieved from <https://theconversation.com/every-step-you-take-why-googles-plan-to-buy-fitbit-has-the-accs-pulse-racing-141052>
- (31) Kemp, K., & Greenleaf, G. (2020). The COVIDSafe bill doesn't go far enough to protect our privacy. Here's what needs to change. In *The Conversation*. Retrieved from <https://theconversation.com/the-covidsafe-bill-doesnt-go-far-enough-to-protect-our-privacy-heres-what-needs-to-change-137880>
- (32) Kemp, K., & Nicholls, R. (2020). No more negotiating: new rules could finally force Google and Facebook to pay for news. In *The Conversation*. Retrieved from <https://theconversation.com/no-more-negotiating-new-rules-could-finally-force-google-and-facebook-to-pay-for-news-136718>
- (33) Kemp, K., & Manwaring, K. (2020). Australia's privacy watchdog is taking Facebook to court. It's a good start. In *The Conversation*.
- (34) Greenleaf, G., & Kemp, K. (2020). Australia's COVIDSafe Experiment, Phase III: Legislation for Trust in Contact Tracing. *SSRN Electronic Journal*. doi:10.2139/ssrn.3601730
- (35) Kemp, K., & Nicholls, R. (2019). The federal government's response to the ACCC's Digital Platforms Inquiry is a let down. In *The Conversation*. Retrieved from <https://theconversation.com/the-federal-governments-response-to-the-accs-digital-platforms-inquiry-is-a-let-down-128775>
- (36) Kemp, K. (2019). The ACCC is suing Google over tracking users. Here's why it matters. In *The Conversation*. Retrieved from <https://theconversation.com/the-acc-is-suing-google-over-tracking-users-heres-why-it-matters-126020>
- (37) Kemp, K. (2020). Concealed Data Practices and Competition Law. In *NYU/ABA Next Generation of Antitrust, Data Privacy and Data Protection Scholars Conference*. New York University, New York, USA.
- (38) Clarke, R. (2020). Do Ethical Guidelines have a Role to Play in Relation to Data Analytics and AI/ML? *Proc. 9th Conf. Australasian Institute of Computer Ethics (AiCE 2020)*, Adelaide, Nov 2020, PrePrint at <http://rogerclarke.com/EC/AIEG.html>

## Data Protection and Surveillance

Publications address a range of contemporary issues in digital surveillance, metadata retention and access, and data privacy more broadly. This year, there was a particular focus on issues around COVID, particularly the government's COVIDSafe app.

- (39) Bennett Moses, L. (2020). COVIDSafe - Legal Issues. *Australian Law Journal*, 94(7).
- (40) Churches, G., & Zalnierute, M. (2020). "Contracting Out" Human Rights in International Law: Schrems II and the Fundamental Flaws of U.S. Surveillance Law. *Harvard International Law Journal*. Retrieved from <https://harvardilj.org/2020/08/contracting-out-human-rights-in-international-law-schrems-ii-and-the-fundamental-flaws-of-u-s-surveillance-law/>
- (41) Bennett Moses, L. (2020). Who Owns Information? Law Enforcement Information Sharing as a Case Study in Conceptual Confusion. *University of New South Wales Law Journal*, 43(7): 615-641.
- (42) Churches, G., & Zalnierute, M. (2020). A Groundhog Day in Brussels: Schrems II and International Data Transfers. In *Verfassungsblog | On Matters Constitutional*. Retrieved from <https://verfassungsblog.de/a-groundhog-day-in-bruessels/>
- (43) Churches, G., & Zalnierute, M. (2020). The Instrumentality of Metadata Access Regime for Suppressing Political Protests in Australia. In *International Journal of Constitutional Law Blog*. Retrieved from <http://www.icconnectblog.com/2020/08/the-instrumentality-of-metadata-access-regime-for-suppressing-political-protests-in-australia/>
- (44) Churches, G., & Zalnierute, M. (2020). A Window for Change: Why the Australian Metadata Retention Scheme Lags Behind the EU and USA. In *AusPubLaw*. Retrieved from <https://auspublaw.org/2020/02/a-window-for-change-why-the-australian-metadata-retention-scheme-lags-behind-the-eu-and-usa/>
- (45) Churches, G. (2019). Metadata Retention and Access Laws ABC Radio Coffs Harbour. In ABC Radio Coffs Harbour. Retrieved from <https://www.allenshub.unsw.edu.au/news/power-metadata-and-why-current-laws-may-not-be-protecting-us>
- (46) Johns, F. (2020). "Surveillance Capitalism" and the Angst of the Petit Sovereign, 71 *British Journal of Sociology* 1049-1051, <https://doi.org/10.1111/1468-4446.12784>Zalnierute, M. The Future of Data Retention Regime in the EU After Qadrature Du Net and Privacy International Judgments, *Insights: Americal Society of International Law Blog*, 5<sup>th</sup> November, 2020

## Platform Co-operativism

Publications help widen the conversation about the legal and regulatory dimensions of how technology can help to develop innovative business models that foster more sustainable trajectories for economic development.

Stream lead Bronwen Morgan worked with a range of collaborators in the Sydney Commons Lab to produce an updated version of the Sydney Commons Transition Plan: its 2020 Appendix links the 2019 Plan to community wealth-building, a policy framework that has gained considerable popularity in the USA and UK in recent years, and in support of which the City of Sydney has passed a unanimous resolution. The Appendix was launched at the Together Sydney event in October 2020 hosted by the Sydney Commons Lab.

Bronwen Morgan and Declan Kuch published the only chapter directly dealing with law in a popular handbook on diverse economies published by Elgar Press in 2020. They highlighted the diverse uses of law in different approaches to platform economies in a short, accessible chapter that has resulted in wide interest from a range of scholars and advocates for economic pluralism who have an interest in dialogue with legal experts.

- (47) Sydney Commons Transition Plan Appendix 2020, (with Isaac Lyne), integrated into the Sydney City Commons Transition Plan, at [https://wiki.p2pfoundation.net/Commons\\_Transition\\_Plan\\_for\\_the\\_City\\_of\\_Sydney](https://wiki.p2pfoundation.net/Commons_Transition_Plan_for_the_City_of_Sydney)
- (48) Morgan, B., & Kuch, D. (2020). Diverse Legalities: Pluralism and Instrumentalism, in In K. Gibson, & K. Dombrowski (Eds.), Handbook of Diverse Economies. Cheltenham, UK: Edward Elgar
- (49) Morgan, B., McDermont, M., Innes, M., (2020). Towards an Organic Model of Regulation, Chapter 10 in McDermont, Cole, Newman and Piccini (eds), Imagining Regulation Differently: Co-creating for Engagement. Bristol, UK: Policy Press

## Hybrid Life and Legal Personhood

These publications examine the impact of hybrid formations on the relation between life, technology and law. In particular, technologies and bio-scientific advances that trouble a fundamental differentiation between things and persons—while also blurring a distinction between what the law perceives as natural and artificial entities. Through Marc De Leeuw’s fellowship at the Institute for Advanced Study, Princeton (US) and Simon Taylor’s involvement in Histories of AI: Genealogy of Power at Cambridge (UK) they are co-ordinating interdisciplinary workshops and publications with scholars across these cohorts to expand and advocate core stream outputs.

- (50) De Leeuw, M., & van Wichelen, S., (2020). Personhood in the Age of Biolegality, editor., Cham, Switzerland: Palgrave Macmillan, 2020.
- (51) De Leeuw, M. & van Wichelen, S., (2020). Brave New Law, in Personhood in the Age of Biolegality, editor De Leeuw, M and Van Wichelen, S., Cham, Switzerland: Palgrave Macmillan, p. 1-21.
- (52) De Leeuw, M. & van Wichelen, S., (2020). Legal Personhood in Postgenomic Times: Plasticity, Rights, and Relationality, in Personhood in the Age of Biolegality, editor De Leeuw, M and Van Wichelen, S., Cham, Switzerland: Palgrave Macmillan, p. 55-75.
- (53) Taylor, S.M., & De Leeuw, M. (2020). Guidance Systems: from autonomous directives to legal sensor-bilities, in AI & Society, 1-14

## Data Analytics and Intellectual Property

The published research on keyword advertising explores the ways in which courts in multiple jurisdictions have used and stretched established trade mark doctrines to deal with the challenges posed by online advertising that is generated following searches that use trade marked terms. It is intended to inform future, data-based empirical research on this area of trade mark law (in particular, on consumer responses when confronted with keyword advertising).

- (54) Burrell, R., & Handler, M. (2020). Keyword Advertising and Actionable Consumer Confusion, in T Aplin (ed), Research Handbook on Intellectual Property and Digital Technologies (Edward Elgar, Cheltenham, UK) pp. 426 - 444, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3776895](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3776895)
- (55) Burrell, R., & Handler, M. (2020). Trademark Transactions in Common Law Countries: Liberalisation and Its Limits, in Calboli, I, & Ginsburg, J. (eds), The Cambridge Handbook of International and Comparative Trademark Law (Cambridge University Press, New York) pp. 605 - 617, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3383246](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3383246)
- (56) Clarke, R. (2020). Do Ethical Guidelines have a Role to Play in Relation to Data Analytics and AI/ML? Proc. 9th Conf. Australasian Institute of Computer Ethics (AiCE 2020), Adelaide, Nov 2020, PrePrint at <http://rogerclarke.com/EC/AIEG.html>

## Technologies and the Rule of Law

Publications either directly concern the relationship between the rule of law and technology or deal with the aspects of rule of law, data protection and/or human rights and technology, often approaching issues from an international law, legal theory and/or doctrinal perspectives.

- (57) Bennett Moses, L. (2020). Not a single singularity. In S Deakin and C Markou (eds), *Is Law Computable? Critical Perspectives on Law and Artificial Intelligence*. Hart Publishing.
- (58) Zalnieriute, M., & Bell, F. (2020). Technology and the Judicial Role. In G. Appleby, & A. Lynch (Eds.), *The Judge, the Judiciary and the Court: Individual, Collegial and Institutional Judicial Dynamics in Australia* (pp. 1-22). Retrieved from [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3492868](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3492868)
- (59) Zalnieriute, M. (2020). Human Rights Rhetoric in Global Internet Governance: New ICANN Bylaw on Human Rights. *Harvard Business Law Review*, 10, 1-40. Retrieved from [http://ssrn.com/abstract\\_id=3532991](http://ssrn.com/abstract_id=3532991)
- (60) Zalnieriute, M. (2020). Due Process in Adjudication of Domain Names and Trademarks: Why the UDRP Procedure Has to Change. In *Oxford Business Law Blog*. Oxford University. Retrieved from <https://www.law.ox.ac.uk/business-law-blog/blog/2020/02/due-process-adjudication-domain-names-and-trademarks-why-udrp>
- (61) Zalnieriute, M. (2020). Reinvigorating Human Rights in Internet Governance: The UDRP Procedure Through the Lens of International Human Rights Principles. *Columbia Journal of Law and the Arts*, 43(1), 197-235. Retrieved from <https://journals.library.columbia.edu/index.php/lawandarts/article/view/4741>
- (62) Zalnieriute, M. (2020). Beyond the Governance Gap in International Domain Name Law: Bringing the UDRP in Line with Internationally Recognized Human Rights,. *Stanford Journal of International Law*, 1-71. Retrieved from [http://ssrn.com/abstract\\_id=3532799](http://ssrn.com/abstract_id=3532799) \*
- (63) Zalnieriute, M. (2020). Google LLC vs Commission Nationale de l'informatique et des Libertés (CNIL). *American Journal of International Law*, 114(2), 1-14. Retrieved from [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3516337](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3516337) \*
- (64) Zalnieriute, M. (2019). To Forget, But Not Forgive: Why the CJEU's Latest Ruling on Google and the 'Right to Be Forgotten' is Not at All a Win for US Tech Giants. In EJIL Talk. *European Journal of International Law*. Retrieved from <http://www.ejiltalk.org/to-forget-but-not-forgive-why-the-cjeus-latest-ruling-on-google-and-the-right-to-be-forgotten-is-not-at-all-a-win-for-us-tech-giants/>
- (65) Zalnieriute, M. (2019). Technology, Private Companies and Human Rights: Why the Current International Legal Framework Isn't Enough. In *Oxford Business Law Blog*. Retrieved from <https://www.law.ox.ac.uk/business-law-blog/blog/2019/11/technology-private-companies-and-human-rights-why-current>
- (66) Zalnieriute, M., & Churches, G. (2020). When a Like is not a Like: A New Fragmented Approach to Data Controllership, *Modern Law Review*, Vol 83 (4), pp. 861-876
- (67) Zalnieriute, M., Burton Crawford, L., Boughey, J., Bennett Moses, L., Logan, S. (2020). 'From the Rule of Law to Statute Drafting: Legal Issues for Algorithms in Government Decision-Making,' in W. Barfield (ed.) *Cambridge Handbook of the Law of Algorithms*, Cambridge University Press, UK, pp. 251 – 272
- (68) Bennett Moses, L., & Zalnieriute, M. (2020). Law and Technology in the Dimension of Time, in Sofia Ranchordas and Yaniv Roznai (eds) *Time, Law and Change: An Interdisciplinary Study*, Hart Publishing, pp. 303 – 326



- (69) Bennett Moses, L. & Santow, E. (2020). 'Accountability in the Age of Artificial Intelligence: A Right to Reasons. Australian Law Journal, 94(11).
- (70) Zalnieriute, M. (2020). 'Free Speech, Domain Names, and Trademarks: Reinforcing the Narrow Objectives of the Uniform Dispute Resolution Policy,' *Oxford Business Law Blog*, 15<sup>th</sup> July 2020
- (71) 莫妮卡·佐尼鲁特, 莉亚·本内特·摩西, 乔治·威廉姆斯, 法治与政府决策自动化, 《理论月刊》 (Zalnieriute, M., Bennett Moses, L., Williams, G. (2020) 'Rule of Law and Automation in Government Decision-Making,' *Theory Monthly* (Chinese Social Sciences Citation Indexed Journal)

### Policy work:

- (72) United Nations Internet Governance Forum, Dynamic Coalition on Platform Responsibility, Glossary on Platform Law and Policy, [https://www.intgovforum.org/multilingual/filedepot\\_download/4905/2373](https://www.intgovforum.org/multilingual/filedepot_download/4905/2373) (presented at Internet Governance Forum 2020)

### Cyber Security Law and Policy

- (73) Bennett Moses, L. (2020). Selected conversations from a study tour of Berlin and Brussels. In K. Theodorakis (Ed.), *The Convergence Puzzle: Australia, Germany and Emerging Cybersecurity Threats* (Vol. 3, pp. 48-51). Barton, ACT: Konrad Adenauer Stiftung (Australia) Ltd. Retrieved from [https://www.kas.de/documents/274425/8492225/Prof.+Lyria+Bennett+Moses\\_Selected+Conversation+from+a+study+tour+of+Berlin+and+Brussels.pdf/e51fced7-7479-c87c-ed7f-149dd579bcd0?t=1587692688581](https://www.kas.de/documents/274425/8492225/Prof.+Lyria+Bennett+Moses_Selected+Conversation+from+a+study+tour+of+Berlin+and+Brussels.pdf/e51fced7-7479-c87c-ed7f-149dd579bcd0?t=1587692688581)
- (74) Kim, H. (2020). Cyber Surveillance Technology, Unchecked – Can the Global Export Control Regime be a Stabilizer?, *Global Network on Extremism & Technology* <https://gnet-research.org/2020/12/04/cyber-surveillance-technology-unchecked-can-the-global-export-control-regime-be-a-stabiliser/>

### GreenTech

In 2020 the Hub's Greentech stream was established. It is a joint project with the UNSW engineering faculty and stemmed from interest by Allens to fund a 'top-down' stream. During 2020 the stream initiated discussions with the Environmental Law Group, UNSW of possible foci and outputs. Conversations were also initiated with Allens around possible foci (e.g. hydrogen), and alignment with Allens' targeting net zero goals. Research has begun on a draft report covering electric vehicles, hydrogen energy, renewable energy storage and waste to energy. The report is intended to be an accessible coverage of key regulatory issues on these four green techs. The aim will be to draw out some common lessons across the four areas for regulation, sustainability and justice.

### Informed Consent and AI (Artificial Intelligence)

Teaching demands due to COVID limited the productivity of the stream in 2020. However initial research was conducted and a meeting with the Allens stream lead helped shape the direction of the stream to focus on Open Banking as implemented via the Consumer Data Right (Part IVD to the Competition and Consumer Act 2010 (Cth)), more specifically whether knowing your customer carries risks of equitable liability. Research will resume again in 2021.

## Technology for Migrant Worker Protection and Access to Justice

- (75) Berg, L., Farbenblum, B., Kintominas, A. (2020). Addressing Exploitation in Supply Chains: Is technology a game changer for worker voice?, 14 Anti-Trafficking Review 47

## Cyber-physical systems, including the Internet of Things

- (76) Manwaring, K., Leonard, P. (2020). How Australia can reap the benefits and dodge the dangers of the Internet of Things. In The Conversation, <https://theconversation.com/how-australia-can-reap-the-benefits-and-dodge-the-dangers-of-the-internet-of-things-149428>
- (77) Manwaring, K., Clarke, R. (2020). Are your devices spying on you? Australia's very small step to make the Internet of Things safer, In The Conversation <https://theconversation.com/are-your-devices-spying-on-you-australias-very-small-step-to-make-the-internet-of-things-safer-145554>
- (78) Manwaring, K., Hall, C. (2019). 'Legal, social and human rights challenges of the Internet of Things in Australia' Input paper for the Horizon Scanning Project "The Internet of Things" on behalf of the Australian Council of Learned Academies, [www.acola.org](http://www.acola.org), [https://acola.org/wp-content/uploads/2021/02/acola-iot-input-paper\\_legal-social-and-human-rights-challenges\\_manwaring-hall.pdf](https://acola.org/wp-content/uploads/2021/02/acola-iot-input-paper_legal-social-and-human-rights-challenges_manwaring-hall.pdf). (published 2020). This input paper was used extensively in ACOLA's Horizon Scanning Report for the Chief Scientist, Fox, B et al, 'The Internet of Things' (Report, Australian Council of Learned Academies), 4 November 2020, and Kayleen Manwaring was acknowledged at p219 for her 'special contribution... to the development of the report'. Four of her journal articles were also cited a total of 17 times in the report.

## Other

- (79) Joyce, D. (2020). *Informed Publics, Media and International Law*. Oxford: Hart Publishing. Retrieved from <https://www.bloomsburyprofessional.com/uk/informed-publics-media-and-international-law-9781509930418/>
- (80) Bennett Moses, L., & Edgeworth, B. (2019). Statutes in a Web of Law. In P. Vines, & S. M. Donald (Eds.), *Statutory Interpretation in Private Law* (pp. 115-134). Retrieved from <https://www.federationpress.com.au/bookstore/book.asp?isbn=9781760022051>

## PHD theses

- Seiko Yamamoto, Conceptions of Human Dignity and their Impacts on hES Cell Research Regulation in France and Japan

## Hub member grants

- Fleur Johns, Australian Research Council Future Fellowship 2021-2025 (FT200100656), 'Diplomatic Knowledge, Disasters and the Future of International Legal Order' (AUD\$951,471)
- ARC Discovery (2018-) on Digital Humanitarianism (<http://datapolicy.law.unsw.edu.au/>) with Professor Fleur Johns, Associate Professor Wayne Wobcke and Research Associate Caroline Compton.
- Cyber Security Cooperative Research Centre (2019) on Cyber Security Law and Policy with Professor Lyria Bennett Moses and Dr Heejin Kim (1 vacation scholarship, 2 honours scholarships, 1 post-doctoral fellowship).
- Social Sciences and Humanities Research Council (Canada), Partnership Development Grant (2017-2020) on Conceptions of Police Intelligence: Building a Cross-National Comparative Analysis of

Practices and Frameworks with Professor Janet Chan, Professor Lyria Bennett Moses and partners from Wilfred Laurier University, York University, Victoria University Wellington.

- ARC Linkage Academy Special Project (2018-2020) on The Use of Big Data for Social Policy: Benefits and risks with Professor Janet Chan
- ARC Discovery (2020-) on Realising big data's potential to address social and health inequities with Data Justice Network members Niamh Stephenson and Claire Vajdic.
- International Association of Privacy Practitioners to produce a report on (mis)Informed Consent: Privacy, unfair contract and unconscionable conduct with steam co-leads Katharine Kemp and Rob Nicholls and hub member, Kayleen Manwaring (from 2019)
- International Association of Privacy Professionals – Australia / New Zealand Chapter grant for \$30,000 on Privacy, Technology and Domestic and Family Violence: Assessing Standards in Australia and New Zealand (Hub is part of grant led by Australian Human Rights Institute) (from 2019)
- Lyria Bennett Moses involved in project on Data in Professional Sport, funded by Minderoo Tech & Policy Lab, based at University of Western Australia.
- ARC DECRA, 'AI Decision-Making, Data Privacy and Discrimination Laws' (Monika Zalnieriute) (2021-2024) awarded \$426,530
- Sydney Commons Lab received a Knowledge Exchange Grant from the City of Sydney in 2020 to help support the Together Sydney event: the grant was held by InCollaboration who catalysed Sydney Commons Lab (supported in Platform Cooperativism stream)

## **Honours scholarships funded by Cyber Security Cooperative Research Centre; supervised by Hub academics**

- Michael Murdocca, Security and Insecurity: Positioning Australia's Huawei ban within the prism of the WTO's national security exception.
- Samuel Jackson, The legality of cyber-enabled information operations under the law of state sovereignty in international law

## **Hub Submissions 2020 (including joint submissions)**

- (1) Bennett Moses, L., Bednarz, Z., Churches, G., Cooper, J., Hartridge, S., Joyce, D., Yastreboff, M., Zalnieriute, M. (2020). Submission to Attorney General's Department, Review of the Privacy Act 1988, 6 December 2020 <http://www.allenshub.unsw.edu.au/news/submission-review-privacy-act-1988>
- (2) Bell, F., Bennett Moses, L., Bednarz, Z., Legg, M., Manwaring, K., Rogers, J., Leach Scully, J., Yastreboff, M. (2020). Submission to Australian Government Department of Industry, Science, Energy and Resources, An AI Action Plan for All Australians, 27 November 2020 <http://www.allenshub.unsw.edu.au/news/submission-ai-action-plan>
- (3) Bennett Moses, L., Churches, G., Johns, F., Parnaby, L. (intern), Zalnieriute, M. (2020). Submission to Office of the National Data Commissioner, Data Availability and Transparency Bill, 6 November 2020 <http://www.allenshub.unsw.edu.au/news/submission-data-availability-and-transparency-bill>
- (4) Bennett Moses, L. (2020). Submission to UNESCO's Consultation on Ethics of Artificial Intelligence, July 2020
- (5) Churches, G., & Zalnieriute, M. (2020). Submission to UNESCO's Consultation on Ethics of Artificial Intelligence, July 2020

- (6) Bennett Moses, L., Compton, C., Murdocca, M., Kim, H., Ray, A., Adams, B., Renehan, K., Michalowski, C. (2020) Submission to Department of Foreign Affairs and Trade, Cyber and Critical Technology International Engagement Strategy, 16 June 2020  
<https://www.allenshub.unsw.edu.au/news/submission-cyber-and-critical-technology-international-engagement-strategy>
- (7) Bennett Moses, L., Churches, G., Zalnieriute, M., Byrnes, A., Scully, J., Kemp, K., Greenleaf, G. (2020). Submission to the Parliamentary Joint Committee on Human Rights, COVIDSafe App, 7 May 2020 <https://www.allenshub.unsw.edu.au/news/submission-hub-involved-three-submissions-regarding-covidsafe-app>
- (8) Bennett Moses, L., Chappell, L., Churches, G., Zalnieriute, M., Byrnes, A., Scully, J., Kemp, K., Greenleaf, G., Submission to Federal Attorney General, Privacy Amendment (Public Health Contact Information) Bill 2020 (exposure draft), 11 May 2020  
<https://www.allenshub.unsw.edu.au/news/submission-hub-involved-three-submissions-regarding-covidsafe-app>
- (9) Bennett Moses, L., Churches, G., Zalnieriute, M., Byrnes, A., Scully, J., Kemp, K., Greenleaf, G. (2020). Submission to Senate Select Committee on COVID-19 re Privacy Amendment (Public Health Contact Information) Bill 2020, 13 May 2020 <https://www.allenshub.unsw.edu.au/news/submission-hub-involved-three-submissions-regarding-covidsafe-app>
- (10) Bennett Moses, L., Zalnieriute, M., Nicholls, R., Hartstein, D. (2020) Submission to the Australian Competition and Consumer Commission, Ad Tech Inquiry,  
<https://www.allenshub.unsw.edu.au/news/submission-ad-tech-enquiry>, 20 April 2020
- (11) Bennett Moses, L., Nicholls, R., Kim, H., Guihot, M., Tranter, K., Jacquet, A., Adamson, G., Haataja, S., Goltz, S. (2020). submission to the Parliamentary Select Committee, Foreign Interference Through Social Media, 3 April 2020 <https://www.allenshub.unsw.edu.au/news/submission-foreign-interference-through-social-media>
- (12) Hartanto, N. (Intern), Bennett Moses, L., Ray, A., Adams, B. (2020). Submission to the Department of the Environment and Energy, Independent Review of the Environment Protection and Biodiversity Conservation Act, 2 April 2020 <https://www.allenshub.unsw.edu.au/news/submission-independent-review-environment-protection-and-biodiversity-conservation-act-act>
- (13) Bennett Moses, L., Churches, G., Ray, A., Adams, B. (2020) Submission to Australian Human Rights Commission, Human Rights and Technology, 17 March  
<https://www.allenshub.unsw.edu.au/news/submission-human-rights-and-technology>
- (14) Churches, G., Zalnieriute, M., Bennett Moses, L., Murdocca, M. (2020). Submission to Parliamentary Joint Committee on Intelligence and Security 'Review of the effectiveness of the Telecommunications Legislation Amendment (International Production Orders) Bill 2020, 30 April 2020  
<http://www.allenshub.unsw.edu.au/news/submissionintelligence-and-securitys-review-effectiveness-telecommunications-legislation>
- (15) Churches, G., Zalnieriute, M., Bennett Moses, L. (2020) Supplementary Submission to Review of the Mandatory Data Retention Regime prescribed by Part 5-1A of the Telecommunications (Interception and Access) Act 1979 (Cth) ('TIA Act'), 10 March 2020  
<http://www.allenshub.unsw.edu.au/news/submission-review-telecommunications-and-other-legislation-amendment-assistance-and-access-act>

- (16) Kemp, K. (2020). Submission in Response to the Australian Competition & Consumer Commission Ad Tech Inquiry Issues Paper. Retrieved from [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3587239](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3587239)
- (17) Kemp, K. (2020). Submission in Response to the Privacy Act Review Issues Paper
- (18) Adamson, G., Wilson, S., Manwaring, K. (2020). IEEE Society on Social Implications of Technology (SSIT) Australia response to Digital Identity Legislation Consultation Paper <https://www.digitalidentity.gov.au/sites/default/files/2021-01/consultation01-ssit.pdf>
- (19) Adamson, G., Tranter, K., Manwaring, K. (2020). IEEE Society for Social Implications of Technology submission to DFAT Cyber Engagement Strategy, [https://www.dfat.gov.au/sites/default/files/ssit-submission\\_submission\\_ccties.pdf](https://www.dfat.gov.au/sites/default/files/ssit-submission_submission_ccties.pdf)

FLIP Stream Events and Publications			
	Publication	Authors	Date
1	Article – ‘How will the legal profession be structured in the future?’, Lawyers Weekly	Michael Legg	7 December 2020
2	LSJ Article – ‘OK Zoomer: The impacts and future of working from home’	Michael Legg	December 2020
3	Article – ‘Legal Project Management: Projectifying the Legal Profession’, Law, Technology and Humans <a href="https://lthj.qut.edu.au/article/view/1610">https://lthj.qut.edu.au/article/view/1610</a>	Justine Rogers, Peter Dombkins and Felicity Bell	25 November 2020 (advanced online)
4	Article – “‘Part of the Future’: Family Law, Children’s Interests and Remote Proceedings in Australia During COVID-19’, University of Queensland Law Journal	Felicity Bell	Forthcoming March 2021
5	Primer – Legal Costs and Fees	Michael Legg	1 December 2020
6	Primer – Legal Design	Felicity Bell	1 December 2020
7	Monograph – AI and the Legal Profession (Hart Publishing), <a href="https://www.bloomsburyprofessional.com/uk/artificial-intelligence-and-the-legal-profession-9781509931811/">https://www.bloomsburyprofessional.com/uk/artificial-intelligence-and-the-legal-profession-9781509931811/</a>	Michael Legg and Felicity Bell	26 November 2020
8	LSJ Article – ‘The ‘Kill Bill’ movement and alternative fee arrangements’, <a href="https://lsj.com.au/articles/the-kill-bill-movement-and-alternative-fee-arrangements/">https://lsj.com.au/articles/the-kill-bill-movement-and-alternative-fee-arrangements/</a>	Michael Legg and Catrina Chen (FLIPStream intern)	1 November 2020
9	Article – ‘The AI-Enhanced Lawyer’, University of Tasmania Law Review	Michael Legg and Felicity Bell	October 2020
10	Article – Lawyers Weekly – ‘Legal Design and Visualisation’, <a href="https://www.lawyersweekly.com.au/biglaw/29081-legal-design-and-visualisation">https://www.lawyersweekly.com.au/biglaw/29081-legal-design-and-visualisation</a>	Jenny Lin (FLIPStream intern)	4 August 2020
11	Article – Australian Law Journal Note – ‘The COVID-19 Pandemic and Courts as Essential Services’	Michael Legg	Vol 94, 2020
12	Article – Australian Business Law Review, ‘Commercial Litigation and COVID-19 – the Role and Limits of Technology’ <a href="http://sites.thomsonreuters.com.au/journals/2020/07/17/australian-business-law-review-update-vol-48-pt-2/">http://sites.thomsonreuters.com.au/journals/2020/07/17/australian-business-law-review-update-vol-48-pt-2/</a>	Michael Legg and Tony Song	Vol 48, 2020

13	LSJ Article – ‘The courts and the pandemic: The role and limits of technology’	Michael Legg and Tony Song	1 May 2020
14	Article – ‘Lawyers and the Black Box of Technology’ (2020) 94(2) Australian Law Journal 107	Felicity Bell and Michael Legg	Feb 2020
15	Edited book – The Impact of Technology and Innovation on the Wellbeing of the Legal Profession (Cambridge Intersentia), Michael Legg, Prue Vines and Janet Chan (eds). Three chapters by FLIPStream members:  Ch 1 - The Changing Field of Lawyering and its Impact on Practice and Wellbeing (ML, Prue Vines and Janet Chan)  Ch 10 - ‘Artificial Intelligence and Lawyer Wellbeing’ (Felicity Bell, Justine Rogers and Michael Legg)  Ch 11 - ‘Lawyers’ Fee Arrangements and their Wellbeing’ (Michael Legg and Justine Rogers)	Michael Legg, Justine Rogers and Felicity Bell	2020
16	Panel – Working from Home FLIP Buzzwords event	Michael Legg	9 December 2020
17	Presentation – Change leadership for small law firms (live webcast)	Justine Rogers and Felicity Bell	1 Sept 2020
18	Panel - ‘COVID –19: The Impacts on Lawyers, Law Schools and the Courts’, Australian Academy of Law	Michael Legg	7 July 2020
19	Presentation – FLIP Buzzwords series on Legal Design (live webcast)	Selena Griffith	12 May 2020
20	Presentation – Launch of 2020 topic, presentation on Change Leadership (live webcast)	Justine Rogers and Felicity Bell	29 April 2020
21	Presentation – ‘Artificial Intelligence and Decision Making in Law’, Supreme and Federal Court Judges’ Conference 2020	Michael Legg	20 Jan 2020

## Financial Management Report



### Management Report

YTD For December 2020

		2020	2019	Nov17-Dec18
		\$	\$	\$
<b>REVENUE</b>				
Sponsorship (Allens)	1	0	260,000	520,000
Interest		2,694	9,575	10,671
UNSW Law Contribution	2			100,000
UNSW G&T Contribution	3		5,000	
<b>TOTAL REVENUE</b>		<b>2,694</b>	<b>274,575</b>	<b>630,671</b>
<b>EXPENSE</b>				
People Costs	4	173,685	223,534	182,546
Contract & Consulting Services			615	9,463.15
Entertainment			185	
Marketing		560	22	1,315
Consumables		4,166	2,886	12,759
Travel		1,305	9,969	24,140
Equipment Non capitalised			939	
Other Expenses				7,685
Stream Funding	5	33,494	58,980	
Internal Expense		6,204	39	3,196
<b>TOTAL EXPENSE</b>		<b>219,294</b>	<b>297,169</b>	<b>241,104</b>
<b>Operating result for the period</b>		<b>(216,600)</b>	<b>(22,594)</b>	<b>389,568</b>
<b>Carried Forward Balance</b>		<b>366,974</b>	<b>389,568</b>	
<b>Retained Funds Surplus/(Deficit)</b>		<b>150,374</b>	<b>366,974</b>	<b>389,568</b>

#### Notes to Statement

1. The income in Reporting Period Nov17-Dec18 is for income received for 26 months of operations for 2017-19. The income in 2019 is for 12 months covering 2020.
2. In Nov17-Dec18, contribution was from LAWSCHOOL
3. Contribution from the Gilbert and Tobin Centre to cover half of the joint stream Technologies and the Rule of Law
4. People costs for 2020 were reduced following the early departure of the hub fellow. The reduction is being used in 2021 to help fund a new stream.
5. Several portions of stream funding were transferred back to the hub central budget following the cancellation of activities due to COVID. A portion of stream funding from the 2019 budget was transferred internally to fund a new stream for 2020.



## Appendix

### Steering committee 2020

- **Andrea Durbach** – Professor and Associate Dean, UNSW Law (retired in Oct 2020)
- **Anna Collyer** – Allens partner and Head of Innovation (retired at end of 2020)
- **Heather Moore** - Senior Manager, Strategy and Projects, The Law Society of NSW
- **Lyria Bennett Moses** – Director of the Allens Hub, for Technology, Law and Innovation
- **Maurice Pagnucco** – Professor of Computer Science and Engineering, Deputy Dean (Education) of the Faculty of Engineering and Head of the School of Computer Science and Engineering at UNSW (retired at end of 2020)
- **Michael Legg** – Director of the FLIP Stream

### Advisory board 2020

- **George Williams** - Dean, UNSW Law (Retired July 2020. Replaced by Acting Dean of UNSW Law **Andrew Lynch**)
- **Graham Greenleaf** - Professor of Law & Information Systems, UNSW (retired at end of 2020)
- **Ian McGill** - Partner, Allens (Retired June 2020. Replaced by **Gavin Smith**)
- **Jonathan Horan** - Partner, Linklaters
- **John Fitzgerald** - General Counsel & Company Secretary, AGL (retired April 2020)
- **John Price** - Commissioner, Australian Securities and Investments Commission (retired at end of 2020)
- **Katrina Johnson** - General Counsel, WiseTech Global
- **Lyria Bennett Moses** - Director, Allens Hub for Technology, Law and Innovation
- **Michael Legg** - Flip Stream Director, UNSW
- **Michelle Price** - COO, AustCyber (retired at end of 2020)
- **Narelle Clarke** – CEO, Internet Association of Australia (retired at end of 2020)
- **Rachael Falk** - CEO, Cyber Security Cooperative Research Centre
- **Rebecca Lim** - Group Executive, compliance, legal & secretariat, Westpac
- **Richard Harvey** - President, The Law Society of New South Wales
- **Stephen Burley** - Honourable Justice, Federal Court
- **Warren Kalinko** - CEO, Keypoint Law