

Impacting the socialisation of emerging technologies through mixed methods research and civic practice.

Academic Appointments

2026 Inaugural Course Director, Master's of Artificial Intelligence for Design and Creative Practice
2022-Present. Senior Lecturer, Communications, School of Communications and Creative Arts, Deakin University.
2018-2021. Lecturer, Communications, School of Communications and Creative Arts, Deakin University.
2017-2018. Teaching Specialist, School of Social and Political Sciences, University of Melbourne.

Education

2019 Graduate Certificate of Higher Education, Deakin University.
2016 PhD, The University of Melbourne, Australia. Dissertation 'Radical Transparency in Democratic Governing: Democracy unbound within networked society?' Supervisors: Robert Hassan (Melbourne), Helen Sullivan (Melbourne) & Sean Cubitt (Goldsmiths).
2007 MA, International Relations, with Distinction, The University of Nottingham, United Kingdom.
Dissertation Title 'Radical Pockets of Digital Democracy'. First in class (n:27). Supervisor: Simon Tormey.
2005 BA Honours, Political Studies, Queen's University, Canada.
2004 BA, Development Studies, Queen's University, Canada.

Research Affiliations

2025-Present. Advisory Board (Deakin), Australian Internet Observatory
2023-Present. Founding Co-Convener. Deakin Digital Life Lab Faculty of Arts and Education, Deakin University.
[Inaugural Impact Report is available here.](#)
2023-Present. Associate Investigator. Australia Research Council Centre of Excellence for the Digital Child.
2023-2023. Visiting Researcher. Aarhus University.
2022-2025. Co-Founder. Critical Augmented and Virtual Reality Research Network.
2018-Present. Member. Alfred Deakin Institute for Citizenship and Globalisation, Deakin University. Executive Committee Member 2022-2025.
2014-2014. Graduate Researcher at Berkman Klein Center for Internet & Society, Harvard University.

Grants Awarded & Contracted Research (as Chief Investigator \$750,280 external income)

\$ 50,000 AUD (2024-5) Susan McKinnon Foundation. WeChat Australian Election Monitoring. Yang, F, Fordyce, R, Heemsbergen L.
\$ 75,000 AUD (2024-2025) ACCAN. Defining Communication in a Digital Era: What Best Protects Consumers. Warren I, Heemsbergen L, Mann M
\$ 61,000 AUD (2024) ID Laboratory. VR Wayfinding Visitor and Customer Experience VR Assessment Model. Greuter S, Kocaturk T, Hoang T, Heemsbergen L, Duckett V
\$104,000 AUD (2022) iCare. Interactive, digital WHS communication. Lead CI Stefan Greuter, CIs S Taylor, L Heemsbergen.
\$287,000 AUD (2021-2022) Department of Health (Victoria). Digitisation of Optimal Care Pathways. Lead CI G Bowtell. CIs: J Beth-Vincent, L Heemsbergen, V White, T Livingston, A Ugalde.

- \$ 20,000 AUD (2021-2022) CSRI Collaboration Grants Scheme 2021 (84,000 budget) Lead CI L Heemsbergen, CIs: Dr. Shiri Krebs & A.Prof Radhika Gorur.
- \$ 12,000 AUD (2021) SSN Interdisciplinary Project Incubator: COVID Tracing Apps: Privacy and Effectiveness Lead CI Dr. M.Mann, CIs: Dr. L Heemsbergen, Prof. C Bennett, A/Prof. P Cooper, A/Prof. M Hensher.
- \$ 6,363 AUD (2020) CI: Vincent B, Horan B, Bowtell G, Heemsbergen L. City of Melbourne, grant 'Visual representation of a tonne of CO2 project' AR experience.
- \$117,650 AUD (2019-2021) CI: Bowtell G, Vincent B, Heemsbergen L. Peter MacCallum Cancer Centre. 'OnTrac at Peter Mac' - App Based Educational Modules
- \$ 8,200 AUD (2019) Science and Society Network & Faculty Equipment Grant to broaden research networks with AR technology and workshop with external partners (respectively). Deakin University.
- \$ 49,267 AUD (2015-2016) CI: Heemsbergen L. & Fordyce R. "Can I Download a Car?" Competitive Industry Grant: ACCAN grant scheme (\$49,267 award, \$49,800 in-kind support: UNSW, UOW, Unimelb).
- \$ 45,300 AUD (2016) CI: Ascheanden, G; Principle Researcher: Leorke, D; with Carson, A, Goldenfein, J, Heemsbergen L, Macdonald, K. "Open Data Policy in Australia and Singapore" Seed Funding Grant. Competitive Internal Grant: Melbourne Networked Society Institute, The University of Melbourne.
- \$ 33,500 AUD (2014) CI: Nansen, B; Principle Researchers: Heemsbergen, L & Fordyce, R. "Domestic 3D Printing Research Initiative" Seed Funding Grant. Competitive Internal Grant: Melbourne Networked Society Institute, The University of Melbourne.

Research Outputs

Authored Manuscripts

Heemsbergen L. (2025) 2021. *'Radical Transparency and Digital Democracy'* Emerald. 2025 Paperback reprint.

Peer Reviewed Journals (21 SJR Q1)

- Heemsbergen L (2026) Self extending reality (S-XR): from facial recognition to "tachymorphic media" amidst the emergence of resting AI face. *Frontiers, Virtual and Augmented Reality*. **Q1**
- Yang, F., Heemsbergen, L., Fordyce, L 2025. Contextualizing critical disinformation during the 2023 Voice referendum on WeChat: Manipulating knowledge gaps and whitewashing Indigenous rights. *Harvard Kennedy School Misinformation Review*. **Q1**
- Heemsbergen, L., Bennett C., & Mann M. 2025. There's (not) an App for that: situating smartphones, Excel, and the techno-political interfaces and infrastructures of digital solutions for COVID-19. *Humanities and Social Science Communications*. Nature. **Q1**
- Yang, F., Fordyce, R., & Heemsbergen, L. 2024. Towards a Translational News Ecology: Covering the 2022 Australian Federal Election on WeChat. *International Journal of Communication*. **Q1**
- Heemsbergen, L., Krebs, S., Gorur, R., & Maddox, A. 2024. Algorithmic Performance Management in Higher Education: Vival 365 Ways of Surveillance. *Surveillance & Society*, 22(2), 73-87. **Q1**
- Gu, Y. & Heemsbergen L. 2023 'The Ambivalent Governance of Platformed Chinese Feminism Under Censorship: Weibo, Xianzi, and Her Friends' *International Journal of Communication*. **Q1**
- Heemsbergen L, Bowtell G, Vincent. 2022. 'Making Climate Change Tangible in Augmented Reality Media' *Environmental Communication*. **Q1**
- Heemsbergen L., Treere E. and Pereira G., 2022. Introduction to algorithmic antagonisms: resistance, reconfiguration, and renaissance for computational life. *Media International Australia*. **Q1**
- Yang F, Heemsbergen L, and Marshall D. 2022 Studying WeChat Official Accounts with novel 'backend-in' and 'traceback' methods: Walking through platforms back-to-front & past-to-present. *Media International Australia*. **Q1**
- Heemsbergen L., Bowtell G., Vincent J. 2021. 'Conceptualising Augmented Reality: From virtual divides to mediated dynamics' *Convergence*. **Q1**

- Yang F., [Heemsbergen L.](#), Fordyce R. 2021 'Comparative analysis of China's Health Code, Australia's COVIDSafe and New Zealand's COVID Tracer Surveillance Apps: a new corona of public health governmentality' *Media International Australia* **Q1**
- Maddox, A., [Heemsbergen, L.](#) 2021. 'Digging in Crypto-Communities' Future-Making: From Dark to Doge' *M/C Journal* 24(2). **OA**
- Heemsbergen L. & Molnar A. 2020. 'VPNs as boundary objects of the internet: (mis)trust in the translation(s)' *Internet Policy Review*; 9;4 **Q1**
- Birtchnell, T., Daly, A., & [Heemsbergen, L.](#) 2020. Digital swadeshi and 3D printing intellectual property in India: The multi-level perspective, causal layered analysis and backcasting. *Futures*, 122, 102596. **Q1**
- Heemsbergen L. (2019) Killing secrets from Panama to Paradise: Understanding the ICIJ through bifurcating communicative and political affordances, *New Media & Society* 21(3): 693-711. **Q1**
- Heemsbergen L., & Fordyce R. (2019) Positioning innovation and governance for 3D printing in clinical care: an Australian case. *Journal of 3D printing in medicine*, 3(4), 161-169.
- Heemsbergen L., Daly, A, Liu J, and Birtchnell, T (2019) 3D-Printed Futures of Manufacturing, Social Change and Technological Innovation in China and Singapore: The Ghost of a Massless Future?, *Science, Technology and Society* 24(2) 254-270. **Q1**
- Heemsbergen L. And Daly, A. (2017) Leaking Boats and Borders: The Virtu of Surveilling Australia's Refugee Population. *Surveillance and Society*. 15(3/4): 389-396. **Q1**
- Heemsbergen L. (2016) From Radical Transparency to Radical Disclosure. *International Journal of Communication*. 10(2016), 138-151. **Q1**
- Heemsbergen L., Fordyce R., et al. (2016) "Social Practices of 3D Printing: Decentralising Control, and Reconfiguring Regulation". *Australian Journal of Telecommunications and the Digital Economy*. 4 (3), 110-125 **OA**
- Fordyce R, [Heemsbergen L.](#), et al. (2016) "Things, Tags, Topics: Thingiverse's object-centred network". *Communications Research Practice*. 2(1) 63-78. **Q1**
- Heemsbergen L. (2015) [Designing Hues of Transparency and Democracy After WikiLeaks: Vigilance to vigilantes and back again.](#) *New Media and Society* 17:8 1340-1357. **Q1**
- Fordyce, R, [Heemsbergen L.](#), Mignone P, and Nansen B. (2015) "3D printing and university makerspaces" *Digital Culture and Education*. 7(2): 192-205. **OA**
- Heemsbergen L and Lindgren S. (2014) ["The Power of Precision Air Strikes and Social Media Feeds in the 2012 Israel-Hamas Conflict: 'Targeting Transparency'."](#) *Australian Journal of International Affairs*. **Q1***
- Heemsbergen L. (2013) [Radical Transparency in Journalism: Digital Evolutions from Historical Precedents.](#) *Global Media Journal - Canadian Edition*. 6:1: 45-65. **OA**
- Heemsbergen L and Siniver A. (2011) ["New Routes to Power: Toward a Typology of Power Mediation"](#). *Review of International Studies*. 37(3):1169-1190. **Q1**
- Q1 = SJR 1st quartile journal when published/submitted. OA= Open Access Journal

Non Traditional Research Outputs

- Daedalus Box (object) 2024. Installation. Carr M., Heemsbergen L., Hennessy S, & Wilson A. In Venetian Bind - European Cultural Centre, Venice Biennale.
- Minotaur Muse 2024. Digital Video. Carr M., Heemsbergen L., Hennessy S, & Wilson A. In Venetian Bind - European Cultural Centre, Venice Biennale.
- Deakin Breathes Data. 2024. Installation. Escudero, J & [Heemsbergen L.](#) In Melbourne Design Week. Melbourne, Victoria). Award received at UbiComp / ISWC 2024.
- EcoDigital Futures. 2024. Exhibition. Cinque, T., Minney, P., [Heemsbergen, L.](#), & Jones, A. 20 Pieces curated for Melbourne Design Week.
- Conversations about Life, Health and Safety 2024. Role Playing Video Game. Helen Lingard, Rita Zhang, Jack Clarke, Stefan Greuter, Simeon Taylor, [Luke Heemsbergen](#), Lyndall Strazdins, Christine LaBond, Tinh Doan. research concentrates on communication dynamics between apprentices and supervisors on Australian construction sites. Commissioned by iCare NSW.
- Transport Emissions: An Augmented Reality with City of Melbourne.* AR application. Bowtell G., Vincent, J., [Heemsbergen L.](#) 2021. *Melbourne Knowledge Week, Melbourne.*

Refereed Book Chapters

- Bevilacqua, L. & Heemsbergen, L. 2026. "Connecting Humanity from Submarine Cables to Starlink: How to Communicate about the Digital Infrastructures of the Internet" in *Handbook of Infrastructure Communication*. Eds Stephens & Faust. Wiley.
- Heemsbergen L. 2025. "Data-Mediated Environments: Reality after the Metaverse" in *Digital Frontiers - Healthcare, Education, and Society in the Metaverse Era*. Eds Chen & Blasch. IntechOpen. Open Access.
- Heemsbergen L, Maddox A. 2022 'Distributing Journalism: Digital Disclosure, Secrecy, and Crypto-Cultures' in *Privacy: Algorithms and Society*. Ed. Filimowicz, M. Routledge.
- Heemsbergen L, Bowtell G, Vincent J. 2022 'Physical Digitality: Making reality visible through multimodal digital affordances for Human perception' in *Materializing Digital Futures*. Bloomsbury.
- Heemsbergen L, Fordyce R, Maddox A 2019 'Blockchained to What (end)' *Blockchain and Web 3.0: Social, Economic and Technological Challenges*; Eds. Ragnedda A and Giuseppe D. Routledge.
- A Daly, J Lu, L Heemsbergen 2019 '3D Printing and Intellectual Property in Asia' *Digital Transactions in Asia: Economic, Informational, and Social Exchanges*; Eds. Athique A and Baulch A. Routledge.
- Heemsbergen L. (2017) "Transparency Measures in an International Context". *Global Encyclopaedia of Public Administration, Public Policy, and Governance*. Springer
- Heemsbergen L. (2016) "A Collective Case Approach of Theory Building in Media and Politics" *Researching for Social Change: Ethics, Methodologies & Responsibility*. Eds. Hense, C. et al. Melbourne Social Equity Institute.

Select Refereed Conference Proceedings

- Escudero, J. & Heemsbergen, L. 2024. "Deakin Breathes Data". UbiComp Companion '24, October 5–9, 2024, Melbourne, VIC, Australia. <https://doi.org/10.1145/3675094.3681947>
- Heemsbergen L. and Cadman S. 2021. "Commercial and research clustering of augmented reality: discourses and divides between AR apps and applications" *Proceedings of AOIR 2021, Annual Conference*.
- Heemsbergen, L. 2020. "Open and Shut: No Simple Case of Civic Data Practice" *International Communication Association Annual Conference, Brisbane*.
- Heemsbergen L. and Molnar A. 2019. "VPN as Boundary Object of the internet" *Proceedings of AOIR 2019, Annual Conference, Brisbane*.
- Heemsbergen L. 2018. "Leaking After WikiLeaks" *Proceedings of AOIR 2018, Annual Conference, Montreal*.
- Heemsbergen L. 2016. "Making, Piracy, Profit: Sharing 3D Printing files as disruptive communication practice". *International Communication Association Annual Conference, Fukuoka*.
- Heemsbergen L. 2015. "Managing Disclosure: Digital revelations for voluntary, involuntary, and radical technics of government". *International Communication Association Annual Conference, San Juan*.
- Heemsbergen L. and Lindgren S. 2013. "'Targeting Transparency': The Power of Precision Air Strikes and Social Media Feeds". *Australian Political Studies Association Annual Conference, Perth*.
- Heemsbergen L. 2013. The Limits of Radical Networked Democratic Transparency: From WikiLeaks to OurSay. *Australia & New Zealand Communication Association Annual Conference, Perth*

Select Invited Presentations and Public Communications

- Heemsbergen, L. Panel Presentation. (2026). "Flapper Said" Agentic Memorials and Exploring the Future of Conversational AI. In association with Melbourne Design Week.
- Heemsbergen, L. Panel Debate. (2026) "Animating the Great Debate: Creativity and GenAI" Melbourne International Animation Festival 2026, ACM SIGGRAPH, Deakin.
- Heemsbergen, L. Yang, F., Fordyce, R., & (12 November 2025). *Recapture Labs Testimony on WeChat and Misinformation. The Inquiry into the 2025 Federal Election*, Australian Joint Standing Committee on Electoral Matters.

- Heemsbergen, L. Panel Presentation (2025). “Vibes of the Frontier(s): learning design, practice, and assessment with Generative AI”. *Building Critical AI Literacies: Perspectives from Practice*. Faculty of Arts, Deakin.
- Heemsbergen, L. Panel Presentation. (2025). “Digital Culture and Digital Rights: Tales of Two Countries” International Conference in Communication, Department of Communication, Universitas Indonesia, Jakarta.
- Heemsbergen, L. (2025). Panel Presentation. “Information Influence in an AI world” Panel Member. Beyond Certainty International Symposium. Deakin Library.
- Fordyce, R., Mannell, K., Heemsbergen, L., Yang, F., McGrane, C., van der Nagel, E., Hardwick, T., Richardson, L., Logan, E., & Butt, M-A. (2025) *A response to the Australian Research Council (ARC) policy review of the National Competitive Grant Program (NCGP)*. [Policy submission]
- Heemsbergen L. Public Speech (2024) “How is AI Changing Digital Childhoods?” Australian Centre for the Moving Image x ARC Centre of Excellence for the Digital Child.
- Heemsbergen L. Keynote Speech, (2019) “Social Trends and Institutional Response for an Internet Generation” at *International Forum on Internet Communication*, Sichuan Normal University, Sichuan, PRC.
- Heemsbergen L. Expert Facilitator, (2018) “Whole of Victorian Government Community of Practice on Data Analytics and Sharing Workshop”. Department of Premier and Cabinet, Melbourne, Victoria.
- Heemsbergen, L. (2018) “Naked in the Infosphere” Panel with David Watts, Michael Brand, Greg Adamson, and Bridget Bainbridge. IEEE, Society on Social Implications of Technology / Datanomics, The University of Melbourne.
- Heemsbergen, L. (2018) “Manufacturing 3D Printed Futures: Comparative Backcasting of the Political Economies of Additive Manufacturing in Shenzhen, and Singapore” *Technological Innovations and Social Change Workshop*, Hong Kong University of Science and Technology, Hong Kong, SAR.
- Heemsbergen L. (2017) “Online and On-campus: material realities of digital engagements with large cohort teaching and learning” Melbourne Graduate School of Education, The University of Melbourne.
- Heemsbergen L. (2014) ‘Digital Formations and Varieties of Transparency’. *Department of Communication, UC Santa Barbara*, Santa Barbara. Invited by Mikkel Flyverbom, Copenhagen Business School.
- Heemsbergen L. (2014) Respondent to “Transparency in Public Administration and Culture” Panel, Prof. Jeremy Lewis (Chair). *International Political Science Association World Congress*, Montreal.
- Heemsbergen L. (2013) ‘Research Findings on Futures of Transparency, media, and Politics in Democracy’. Invited by Samidh Chakrabarti, *Civic Innovation, Google.org*, Mountain View.

PhD Supervision Completions

- 2024 Danielle McCarthy, ‘Folding Into AI: An Ethical Relationship with Technology Through the Arts’ Co-Supervisor
- 2022 Fan Yang, ‘News Manufactories on WeChat: The Word Business, Censorship, and Pseudo-Journalism’, Principle Supervisor, Deakin University.
- 2020 PhD Neil Henderson, ‘Concerning: a technique for critique in digitally-mediated civilization’, Associate Supervisor, Deakin University.

Public Research and Submissions

- Heemsbergen, L. Et al. (2025). Signatory, *Joint Statement by Civil Society Organisations on Implementing a Digital Duty of Care delivered to Minister Communications*.
- Yang, F., Fordyce, R., Heemsbergen, L., Mohammadi, S., Zhang, S., & Dai, D. (2025). Australian political advertising and disinformation on Chinese-language media services: Four recommendations for improving trust and security in digital campaigns for Australian elections. RECapture. <https://doi.org/10.5281/zenodo.17149624>
- Yang, F., Fordyce, R., & Heemsbergen, L. (2024, August 12). Towards a Translational News Ecology: Covering the 2022 Australian Federal Election on WeChat. <https://doi.org/10.31235/osf.io/wcps3>
- Clark K, Carter M, Egliston B, and Heemsbergen L. Eds. (2024) *CAVRN SYllabus vol2*.
- Clark K, Carter M, Egliston B, and Heemsbergen L. Eds. (2023) *CAVRN SYllabus vol1*.
- Egliston, B; Clarke, K; Carter, M; Heemsbergen, L (2022). Submission in response to Advanced Notice of Proposed Rulemaking R111004: Commercial Surveillance and Data Security (ANPR).

- Heemsbergen L., R. Fordyce et al. (2016) *3D Printing Rights & Responsibilities: Consumer perceptions & realities*. Australian Communications Consumer Action Network, Sydney. White Paper.
- Heemsbergen, L, R. Fordyce, et al. (2016) *3D Printing: Civic Practices and Regulatory Challenges*. Melbourne Networked Society Institute Research Papers, Melbourne. White Paper.
- Heemsbergen L and Jethani S. (Eds.) (2013). Special Issue *Platform: Journal of Media and Communication*. 5(1).
- Heemsbergen L. *Whistleblowing and Digital Technologies: An Interview With Suelette Dreyfus*. *Platform: Journal of Media and Communication* 5(1): 67-71
- Heemsbergen L, Glasson B, Reid S, et al. Editors (2013). *Melbourne Journal of Politics*, Issue 36.
- Heemsbergen L, Glasson B, Monaghan O, et al. Editors (2013). *Melbourne Journal of Politics*, Issue 35. Academic Engagement
- Special Issue "Antagonistic Algorithms" *Media International Australia* 2022 Eds. L Heemsbergen, E Trere.
- Special Issue "Dark" Eds. *M/C Journal*. 2021. Eds. L Heemsbergen, A Maddox, T Cinque, and R Gehl.

Editorial & Research Review Service

Editorial Board Member, *Humanities & Social Sciences Communications*, Springer Nature.

Reviewer (Active 2024+): *AI & Society*, *Communication and research Practice*, *Convergence*, *Discover Artificial Intelligence*, *Environmental Communication*, *Ethnography*, *Internet Policy Review*, *International Journal of Communication*, *International Journal of Press / Politics*, *Journal of Media Psychology*, *Journal of Peer Production*, *Media and Communication*, *New Media and Society*, *Nature: Humanities & Social Sciences Communications*, *Surveillance & Society*, *Urban Geography*.

Public and Media Engagement

2021+

As a recognised expert in Australia, I am called upon for national and international media interviews. I have worked with the ABC (TV), Wired, Nine, Australian Financial Review, News Corp, and the New York Times to communicate my research and comment on topics relevant to my research. Commercial metrics for this public outreach are not disclosed, but my handful of Conversation articles have been read over 141,000 times. I have been invited to present my research to organisations including Google.org (US), Department of Premier and Cabinet (VIC), Hong Kong University of Science and Technology (HK), Copenhagen Business School/UC Santa Barbara (USA), IEEE Society on Social Implications of Technology / Datanomics (VIC), and Keynoted at Sichuan Normal University (PRC).

2020

Heemsbergen 'The Politics of Encryption' Interview. *2SER Radio*, Sydney. 23 January.

2019

Heemsbergen 'Hacking iOS' Interview. *2SER Radio*, Sydney. 5 September.

Heemsbergen et al. 'Data Sharing and Release Legislative Reforms Discussion Paper & Privacy Impact Assessment' *Public Submission* to Australian Commonwealth Government.

Heemsbergen L. & Fordyce R. 'Artificial Intelligence: Australia's Ethics Framework Response' *Public Submission* to Australian Commonwealth Government.

Deakin University, (Jane den Hollander AO) 'Submission Artificial Intelligence: Australia's Ethics Framework' Heemsbergen contributed in working group that drafted text. *Public Submission* to Australian Commonwealth Government.

2018-2016

I deferred public/media obligations, focussing extracurricular energies on my twice growing family.

2016

Heemsbergen L. '3D printing'. Interview. *RN Drive - ABC Radio National*. Radio, 27 July.

Johnston R. 'This New Website Simplifies The Legal Boundaries Of 3D Printing', *Gizmodo.au, Web*, 27 July.

Heemsbergen L, Fordyce R., et al. "3DPrintingInfo.org". Consumer targeted informational website.

2014

Heemsbergen L. [NYT Room for Debate: '3D Printing is no longer Utopian – in more ways than one'](#). Op-ed. *NYTimes.com*, 11 August.

Heemsbergen L. 'Ello, Ello'. Interview. *2SER Radio*, 10 October.

Heemsbergen L. 'Say Ello to the new privacy debate on social media'. Syndicated across *The Conversation*, *Gizmodo.au*, *Mumbrella* (>11,000 views) 29 September.

Heemsbergen L. Social aspects of 3D printing. Interview. Sundays James O'Loughlin, *ABC Nat. Radio*, 26 January.

Heemsbergen L. [What price our fascination with cheaper 3D printing?](#). Op-ed. *The Conversation*, syndicated in *phys.org*, *Business Spectator*, *Pando.com*, and *Manufacturer's Monthly*, 20 January. (>12,000 views) 20 January. Select Presentations & Conference Papers

Select Academic Conference Presentations

2018

Heemsbergen L, and Fordyce R. (2018) "Critical Discourses and Deliberations for 3D Printing in Medicine" Society for Social Studies of Science Annual Conference 2018, Sydney.

Heemsbergen L, Daly A, Birtchnell, T. (2018) "3D Printing Governance: transitions of local, global, physibale and digital imaginaries " Society for Social Studies of Science Annual Conference 2018, Sydney.

2017

Heemsbergen L. "3D Med Prints Society: Interfaces of Practice and Practicalities". *3D Med Symposium*. Austin Health, Melbourne.

Fordyce R and Heemsbergen L "3D Printing Research" University of Melbourne Open Day, MNSI/ACMI-X collaboration. 20 August, 2017

Heemsbergen L. "Management of Visibilities as International Governance". *International Studies Association, International Conference*. University of Hong Kong.

Daly, A., Lu, Birtchnell, & [Heemsbergen L](#). "Another dimension of digital: 3D printing and IP in Asia". *Digital Transactions in Asia Symposium* - 8-10th August, QUT, Brisbane

Carson A. & [Heemsbergen L](#). "Emergent Political Communication Trends: New Responses to Concepts, Roles, and Forms of Political Campaigning and Action in the Late Digital Age". *Australia New Zealand Communications Association Annual Conference*. 4-7 July, University of Sydney.

Heemsbergen L., Fordyce R., & Coles-Black, J. "3D Printing in Biomedical Settings: Innovations in Healthcare/Media Ecologies". *Australia New Zealand Communications Association Annual Conference*. 4-7 July, Sydney

2015

Heemsbergen L. Relations within Thingiverse: Printing object oriented communities:. Talk given as a Semaphore visiting researcher, *iSchool, Faculty of Information, University of Toronto*.

Heemsbergen L. Targeting Transparency: IDF tweets in retrospective. Talk given at *Social Media Lab, Ted Rogers School of Management at Toronto Metropolitan University*.

Heemsbergen L. Inverting the Power of Transparency. Talk given at *Department of Communication, Media and Film, University of Calgary*.

2014

Heemsbergen L. Transparency New Media and Democratic Governance: Radical Moments Historical Shifts and Current Experiments. *Australian Political Studies Association Annual Conference*, Sydney

Heemsbergen L. Digital Transparency & Agonistic Democracy. Presentation. [Civic Paths](#). USC Annenberg School for Communication & Journalism, Los Angeles.

Heemsbergen L. Legal and Social Implications of 3D Printing. Lecture. *Digital Blacksmith Summer School*, The University of Melbourne, Melbourne.

2012-2013

Heemsbergen L. [Towards a Typology of Radical Transparency: Political Shifts away from Secrecy](#). *RTI Technology Conference, Liberation Technology Program*, CDDRL, Stanford University, Palo Alto.

Heemsbergen L. Sintering Socio-political Assumptions: Towards Typologies and Disciplines of 3D Printing Research. *Social Aspects of 3D Printing Symposium*, Swinburne Institute of Social Research, Melbourne.

Heemsbergen L. Towards a Political Typology of Accountability: Positive Accountability. *Accountability Workshop, Melbourne School of Government*, Melbourne.

Heemsbergen L and Lindgren S. 'Targeting Transparency': The Power of Precision Air Strikes and Twitter Feeds. Invited Poster (in absentia). *Alexander von Humboldt Colloquium*, Sydney.

Nolan D, Simons M, Muller D, [Heemsbergen L](#), et al. 'The Citizens' Agenda': Social Media Interventions and Democratic Performance. *ICA Regional Conference*, Shanghai Jiaotong University, Shanghai.

Heemsbergen L. An Empirical Critique of Governing with Hansard, Open Diplomacy and WikiLeaks. *Transatlantic Conference on Transparency Research*, Utrecht School of Governance, Utrecht.

Select Scholastic Awards

\$115,119 AUD 2011-2015 Melbourne International Fee Remission Scholarship, The University of Melbourne.

\$ 2,500 AUD 2015 Teaching Excellence Award, as team with R Fordyce, School of Culture and Communication, The University of Melbourne

\$1,000 AUD 2014 Melbourne Social Equity Research Institute Fund Award, The University of Melbourne.

\$1,500 AUD 2014 Melbourne Abroad Travelling Scholarship, The University of Melbourne.

\$2,000 AUD 2014 Institute for a Broadband-Enabled Society Executive Committee special support, The University of Melbourne.

Select Teaching Experience

2018-Ongoing (Deakin University)

Inaugural Director, Master of Artificial Intelligence for Design and Creative Practice (A733 2026) - The first MA of its kind in Australia is designed for ambitious creatives looking to evaluate and responsibly integrate where and how AI enhances creative workflows. We learn discernment and judgment in evolving ethics of practice and expectations of industry to enable novel approaches to design and creative practices.

Coordinator, The Arts of Changing the World: Global Challenges and Collaborative Action (AGC309 2024) - capstone undergraduate unit (75 students). Put the knowledge and skills you have built as an arts and humanities student into action and work collaboratively with colleagues, community members, industry representatives, or other stakeholders to tackle real world global challenges. Learn from people working on global problems in real-world situations and contexts. Analyse a range of viable strategies for community and industry collaboration to create potential solutions with local and global impact. Pitch and plan a change project that will make your mark on the world.

Coordinator, Digital Curation in the Age of AI (ALC703) - graduate subject (50 students) exploring the various definitions and applications of digital curation and platformed communication, including AR and gen AI creativity and critique with a focus on the practical design and development of creative, political, or strategic content strategies.

Coordinator, Making Sense of Online Community (ALC702) - graduate subject (60 students) on digital ethnography, focussing on critical methodologies beyond netnography, political and consumer engagement, activism and most recently the rise of far right communities.

Coordinator, Developing a Communication Research Project (ACX703 2020-2022) - graduate subject focusing on research panning and design. Bifurcates strategy of successful research to professional and academic streams, co-designing tenable research outputs with students to pursuing both industry and thesis based research problems.

Coordinator, Public Relations, Activism and Social Change (ALR718 2020) - graduate subject (40 students) on critical public relations that helps practitioners discern shifting bounds of activism and public relations, focussed thematically around, climate change, social justice, digital privacy issues, and most recently COVID-19.

Coordinator, Public Relations Management (ALR279) - undergraduate subject (80 students) on the critical study of public relations practice, issue management and crisis communication, delivered in scenario-based learning.

Coordinator, Communication and Everyday Life (ACC100 2018-2019) - Undergraduate subject (250 students) introducing Communication as subject of study. Co-led whole of university approach to revision of unit, consulting with Work Integrated Learning, Career Education, Student Study Support, and Digital Learning to achieve premium learning experiences underpinned by student led media practice as part of our pedagogical concern.

2017-2018 (*The University of Melbourne, as Teaching Specialist 2017-2019*)

Coordinator, Politics and the Media (POLS2026 - SEM2) - undergraduate subject (200 students, 3 tutors) on theories of media and communication applied to evolution of news, elections and political campaigning, strategic communications, and digital and alternative media.

Coordinator, Critical Analytical Skills (MULT20003 - SEM1) - undergraduate qualitative research methods (12 Tutors, 700 Students). Responsible for curriculum design, lecturing and responsive active learning program for tutorials. Raised student feedback scores to highest ever recorded levels, increase of over 20% across variables, via including of digital delivery and activities throughout semester.

Coordinator, Foundations of Politics and Policy (PPMN90042 - SEM1 & SEM2) - postgraduate seminar subject (20 students, repeated each semester) on policy - politics interface in modern liberal democracies. Topics include theories of policy and politics in a media saturated environment, taught through scenario based learning.

Seminar Leader, Strategic Political Communication (MECM90010 - SEM2) - graduate subject (120 students) on political, public and government communication, 'spin' and PR methods used by politicians and third parties, op-ed writing, and history and new emergence of trends in fake news and political advertising.

Seminar Leader, Governance (PPMN90037 - SEM1) - graduate subject (45 students) on advanced theories practice of governance by society, state, individual and private actors; facilitated problem based learning scenarios.

2016 (*Subjects at The University of Melbourne as Sessional Academic*)

Coordinator, Media and Communications Project (MECM30015 - SEM1) - undergraduate media research subject (35 students) prepared students for honours through methodological training and facilitation of independent research.

Coordinator, Critical Analytical Skills (MULT20003 - SEM1) - Undergraduate subject (11 Tutors, 660 Students) on qualitative research methods, responsible for lecture delivery and implementing tutorial lesson plans.

Seminar Leader, Governance (PPMN90037 - SEM1) - graduate subject (30 students) on advanced theories practice of governance by society, state, individual and private actors; facilitated problem based learning scenarios.

Seminar Leader Social Science Research Seminar (POLS40013) - Intensive research thesis preparation, 20 Students.

Tutor, Digital Media Research, (MECM30016 - SEM1) - Undergraduate practical research skills (100 students), including web scraping, sentiment analysis and social network analysis.

Tutor, Public Relations (MECM40006 - SEM1): Graduate / Fourth year Public Relations and Communications subject (20 students), focusing on public relations in the context various corporate and community functions of public relations practices; apply different theoretical frameworks to critically examining public relations in industry contexts.

Select Professional Experience Prior to Academia

2009 - 2010 National Manager, Projects, Policy & Process Improvement **Loblaw Companies Limited**, Toronto.

- * Drafted national engagement, process, and policy improvements via ethnographic and design thinking practices
- * Successfully project managed the development and implementation of mobile app with consultants Vortex Connect.

2008 - 2009 Analyst, Store Communications / Central Operations **Loblaw Companies Limited**, Toronto.

- * Innovated national business practices through design, tendering and implementation of digital planning platform
- * Designed and led monthly corporate communication and innovation sessions on behalf of COO for 200+ leaders.

2006 Program Manager, Public Diplomacy **Department of Foreign Affairs, The Government of Canada**, Ottawa.

- Worked with public including NGOs, providing grant and contribution management for \$150,000 project budgets
- Drafted strategic federal public diplomacy plans in response to provincial foreign policy initiatives.
- Provided research and analysis on state motivations / forecasting proliferation of Nuclear, Biological, and Chemical Weapons utilising range of qual/quant motivation and capability indicators, drafted classified reports.

Professional Development

Certificates & Courses

“Harnessing AI in Creative Organizations” Course, Parson’s School of Design, NYU, New York.

Graduate Certificate of Higher Education (Learning and Teaching), Deakin University (including RPL equivalent).

Melbourne Teaching Certificate, Melbourne Centre for the Study of Higher Education, University of Melbourne, Includes intensive seminar learning and peer-review of teaching activities.

Workshops

Research Supervision and Generative AI, 2025, Deakin Applied Artificial Intelligence Initiative.

Unreal Engine Basics, 2023, Deakin Motion Lab.

Blended Learning Bootcamp, 15-17 February, 2017. Faculty of Arts eTeaching Unit, The University of Melbourne.

Digital Literacy Symposium, 12 May, 2017, Melbourne Graduate School of Education, The University of Melbourne.

Using learning analytics in teaching - Designing for learning with technology, 20 June 2017, Melbourne Graduate School of Education, The University of Melbourne.

Data Storytelling Workshop, Research Platforms Services, 3-4 July, 2017, The University of Melbourne.

Learning Analytics Summer Institute 2014, Society for Learning Analytics Research, Harvard Graduate School of Education.

Digital Tools for Qualitative Research Workshop 2014, (via Skype) Centre for the Study of Invention & Social Process, Goldsmiths College, London.

Service & Engagement

2023-2025 Executive Member Alfred Deakin Institute of Citizenship and Globalisation

2018-2025 Research Committee Member for School of Communication and Creative Arts

2015/6 Reviewer, International Communications Association Annual Conference.

2012 - 2014 Editorial Collective, *Melbourne Journal of Politics* (ISSN 0085 3224).

2013 Respondent, Australian Political Science Association Postgraduate Workshop on Publishing.

Affiliations

Member, Policy and Research Standing Committee, Electronic Frontiers Australia (2014-2015); Doctoral Academy of the Melbourne Social Equity Research Institute (2015).

Member: Association of Internet Researchers, International Communication Association, Australian Political Science Association, Australian and New Zealand Communication Association.

Advocacy

2014

The University of Melbourne Lecture Series for Asylum Seekers: facilitated discussions with asylum seeker attendees. School of Psychological Sciences, The University of Melbourne, Melbourne.

Press Pass TV: Delivered Berkman Youth and Media Lab Information Quality Workshop via urban youth media literacies program. MPTH High School, Roxbury, Boston.

2013

Created DecideonAssange.com with team of transparency advocates to critique senate candidate Julian Assange.

Design afforded citizen engagement via creating and socially sharing political 'belief bytes' backed with evidence.

2012-2007

Founder, Point Communications *pro bono publico*, Toronto. Advocated for the public good, consulting on public relations and public affairs, new media, and risk communication planning. Served modest but international clients.
