

Overview: I am lecturer in Digital Cultures in NCAD and associated researcher in the Orthogonal Methods Group Trinity College Dublin, a research platform operating in critical and creative tension to emerging technology. I am an international expert in digital culture with a particular focus on digital culture, and digital economies. I have extensive experience designing and delivering a wide range of 3rd and 4th level courses across digital culture, media theory and technology studies.

I have two books forthcoming with Verso (2023), co-editing *Neural*, a longstanding publication of digital art, founding and editing an academic journal of sound art and publishing numerous journal articles, book chapters, op-ed pieces and conference papers. My work is internationally recognised and I am frequently invited to speak at high-profile digital art and academic events in Ireland and overseas. I have wide experience with European and Irish Research grant applications and have personally been awarded over €250,000 in European and Irish funding. I am an active curator of events on digital culture in Ireland, most significantly the Digital Cultures Webinar (2020-2021) Openhere festival (2012-2015) and the Dublin Art & Technology Association (DATA) (2009-2017).

OUTPUTS:

Teaching: Developed & Delivered 3 modules and contributed to 6 modules across Digital Culture, Design & Multimedia; Developed 1 MOOC; Supervised 17 Masters Theses to Completion & 10 Final Projects. Currently Supervising 3 PhD students. Have examined 2 PhD students in the EU/

Publications: 1 Books (Forthcoming with Verso); 7 Peer-Reviewed Journal Articles + 1 Currently Under Review; 8 Book Chapters; 4 Edited Journal Editions.

Presentations: 50 + talks across Ireland, UK, EU, and US: 2 keynotes, 20+ Invited International talks and lectures, 20 + invited lectures and talks in Ireland, 17 International conference papers.

Events & Public Engagement: 3 Conferences organised; 30+ events organised.

Funding: Since 2009 I have been awarded over €250,000 in funding from a range of national and International sources including the Irish Research Council, the Royal Irish Academy, European Science Open Forum, Science Foundation Ireland, Enterprise Ireland, The Fulbright Commission, the Arts Council of Ireland, Science Gallery Dublin and Trinity College Dublin's Visual & Performing Arts Fund.

EDUCATION:

2014 PhD *Spectre of the Commons: A Political Economy of Radio Spectrum* (2014), Trinity College Dublin.

Extern: Tiziana Terranova.

2009 M.Phil. in Music and Media Technologies (1.1), Trinity College, Dublin.

2007 City & Guilds Diploma in Sound Engineering (Distinction) Sound Training Centre, Dublin.

2006 B.A. Honours in Fine Art (Digital Media) (2.1) IADT Dun Laoghaire.

2005 B.A. Ordinary in Visual Arts Practice (1.1) IADT Dun Laoghaire.

RESEARCH POSITIONS:

2016 - 2018 Connect SFI Centre for Future Networks and Communications, Trinity College Dublin, Postdoctoral Researcher: Member of Orthogonal Methods Group.

2015 – 2016 Maynooth University, Government of Ireland Postdoctoral Fellow.

2015 Microsoft Research, Cambridge, MA, Visiting Research Fellow in Bitcoin, Nov 2015.

TEACHING POSITIONS:**2018 – National College of Art & Design, Dublin: Full Time Lecturer in Digital Cultures**

Full Time Lecturer in Digital Cultures. I have designed and teach a range of modules across undergraduate and postgraduate including algorithms as culture, art and money, economies of culture, tactical media, understanding digital cultures, technology, design and society, bits that matter: Infrastructure studies and Research Methods. I coordinate the final year thesis project and modules in economies of culture and supervise BA and MA final year thesis projects. I am currently supervising 3 PhD students in the School of Visual Culture.

2013 – 2016 Trinity College Dublin: Teaching Fellow in School of Computer Science & Statistics

M.Phil. in Creative and Cultural Entrepreneurship. Coordinator of Module in the *History of the Creative and Cultural Industries* and Delivered 100% of Content, Masters Thesis & Project supervisor. Developed and designed the overall course content and syllabus alongside course coordinator Professor Marie Redmond.

Designed and developed MOOC in *Technology & Society* for Engineers, for delivery to Thapar University, Patiala, India.

M.Sc. in Interactive Digital Media, School of Computer Science. Designed and Delivered Module in *Physical Computing and in Cultural and Critical theory for Digital Media*; Masters Thesis Supervisor and Multimedia Project Supervisor.

2009 – 2015 Trinity College Dublin: Adjunct Lecturer on the M.Sc. in Interactive Digital Media, School of Computer Science.

Designed and Delivered Module in *Physical Computing and in Cultural and Critical theory for Digital Media*; Masters Thesis Supervisor and Multimedia Project Supervisor.

2013 – 2015 National College of Art and Design, Dublin, Adjunct Lecturer on the Masters in Design History and Material Culture.

Designed and delivered a course in *Technology, Design and Society*.

2011 Maynooth University, Adjunct Lecturer on BA Arts.

Delivered Course on *Sound Studies*.

SERVICE POSITIONS:

2018 – NCAD: Currently Academic Council, Research Strategic Group, IT Committee

2009 - Dublin Art and Technology Association: D.A.T.A is a forum for the intersection of local and international digital arts practices. Leader of DATA since 2013, and co-facilitator since 2009.

2013 – Neural Magazine for Critical Digital Culture & Media Arts. Assistant Editor.

2009 - 2017 Interference a Journal of Audio Culture: I am the founding Editor-in-Chief of the Peer-Reviewed Academic Journal Interference, a journal of audio culture and practice-based research.

2013 - 2017 Peer-to-Peer (P2P) Foundation: Coordinator of the p2p academic research network. Coordinator of the 'Women in P2P' project.

MEMBERSHIPS & AFFILIATIONS:

Orthogonal Methods Group (OMG) TCD, a humanities/engineering collaboration. Advisory Group for **DECODE** EU Flagship project on data sovereignty for citizens across Europe and beyond; **ADAPT Ethics and Privacy Working Group**; **Irish Blockchain Expert Group**; Core member of **P2P Foundation** where I coordinate the academic research network (2013-); **Internet of Things (IoT) Council** (2012-); **Annual Association of Internet Researchers** (2014-); Member of the **International Association for Media & Communications Research** (2015-).

HONOURS & AWARDS:

2022	NCAD Research Fund Award
2019	IRC New Horizons Award
2018	Enterprise Ireland Award (Declined)
2018	Fulbright Scholar Award
2018	RIA Charlemont Scholar Award
2015	Provost's Teaching Award (Nomination)
2015	IRC Postdoctoral Fellowship
2014	SFI Public Engagement Grant
2012	ESOF2012 Public Engagement Funding for <i>Openhere</i> 2012.
2012	Science Gallery Exhibition Funding for <i>The Mobile Commons</i>
2010-2014	Science Gallery Seed Funding for D.A.T.A. 2010 -2014.
2011	Best Paper Award, Science and Technology Studies ST Global Conference, Washington DC, April 2011.
2009	IRCSET PhD Scholarship Recipient
2008 – 2009	Visual and Performing Arts Award Recipient, TCD, 2008, 2009

SELECTED PUBLICATIONS: Full publications and texts available at <http://rachelodwyer.com>

Books

Tokens, The Future of Money in the Age of the Platform. Verso 2023

Ether (Forthcoming, Verso 2024)

Journal Articles

'Code != Law' Explorations of the Blockchain as a Mode of Algorithmic Governance', Forthcoming, *Theory, Culture & Society*,

'Cache Society: Memory, Electronic Payments and Data Ethics' *Journal of Cultural Economy*, 2019.

'Limited Edition: Producing Artificial Scarcity For Digital Art On The Blockchain And Its Implications for The Cultural Industries.' *Convergence: International Journal of New Media Studies*, Forthcoming, 2018.

'Where's the Money?' Article on Data Surveillance and Creative Resistance in *Kings Review*, Cambridge, 2016.

'No More Walled Gardens: Radio Spectrum Access and the Public Sphere' *Spheres: Journal of Digital Cultures* (Politics Without Networks), 2014.

'This is Not a Bit Pipe: A Political Economy of the Substrate Network' in *Fibreculture Journal: Digital Media + Transdisciplinary Critique*, issue 20 Networked Utopias 2, 2012.

Edited Issues

Co-editor of the following Special Issues of *Neural: Critical Digital Culture & Media Arts*:

Neural #60-68

Founding Editor in Chief of *Interference, a Journal of Audio Culture* 2009 – 2017 and editor of Issues 1-4: An Ear Alone is not a Being; Sonic Geographies; Noise: Sound Methodologies.

Selected Book Chapters

Another Net is Possible, in Gansing, K. and Luchs, I., 2020. The eternal network: The ends and becomings of network culture.

'Outside of Borders' in *State Machines: Reflections and Actions at the Edge of Digital Citizenship, Finance, and Art*, INC, 2019.

'Things that Transact: How the Internet of Things is transforming payments' in Lovink G. *Overcoming the Hype: Moneylab Reader #2*, Institute of Network Cultures, Amsterdam, 2017

'Does Digital Culture Want to be Free? Smart Contracts and Cultural Distribution' in Catlow, R. et al. (eds.) *Artists Re- thinking the Blockchain* Torque & Liverpool University Press, 2017.

'Ether' in *Paid: Tales of Cheques, Dongles and Other Money Stuff* Maurer, B. and Swartz, L. MIT Press, 2017.

'Blockchains and their Pitfalls' in Scholz, T & Schenider, N. (ed.s) *Ours to Hack and to Own: A new Vision for the future of work and a fairer Internet*. OR Books, May 2016.

'Money Talks: The sociotechnical enclosure of mobile payments' in Geert Lovink and Nathaniel Tkacz (ed.s) *The INC Moneylab Reader*, Institute of Network Cultures, Amsterdam, 2015.

'A Capital Remix' (exploring how remix culture and remix art is central to social media business models) in Navas, E. Gallagher, O. and Burrough, X. (ed.s) *The Routledge Companion to Remix Studies*, Routledge, 2015.

'Network Media: Exploring the Sociotechnical Relations between Mobile Networks and Media Publics' in *International Symposium of Electronic Arts (ISEA2011) Istanbul*, Conference Proceedings, 2012.

'Performing in the Acoustic Arena: The role of the Portable Audio Device in a User's Experience of Urban Place' in: Schroeder (ed.) *Performing Technology: User Content and the New Digital Media*, Cambridge Scholars Publications, 2009.

Selected Op-eds, Criticism & Catalogue Essays

Catalogue Essay, More or Less, Ben Grosser Show, Arebyte, August 2021

Essay, More than Human Hotspots, in No Matter Here, June 2021

Interviews with Finn Brunton, Antonia Hernandez, Elisa Giardina Papa, Neural 68, March 2021

Essay, Just Say No, Neural 68, March 2021

Essay, Classified as a Rifle at any Angle, Neural 67, 2021

Catalogue Essay, 105.2fm "This Conversation is an Artwork", Free Thought FM Catalogue Essay, 2021

Review Essay, Stained in Red, London Review of books, 2019.

Op-ed, Libra: The Bank of Facebook, Irish Times, July 2019

Essay, 'Are you Creditworthy? The Algorithm will Decide' *UnDark Magazine*, MIT, May 2018 syndicated as 'Imperfect Score' at Quartz.com & 'Algorithms are judging you on your credit score. But are they getting it right?' at World Economic Forum.

'Art after Money, Money after Art' Documentary for Culture File, Lyric FM, April, 2018.

Essay, 'Blockchain Just isn't as radical as you want it to be', *Longreads*, February 2018

'Data Politics and the Internet of things' in *Silicon Republic*, December 2016

'Can Code Replace Trust?' In Museum of Modern Art *Design and Violence* Catalogue, MOMA, New York.

'The Revolution will (not) be decentralized: Blockchains' in *P2P Foundation Blog*, March 2015.

'Stop Pretending that Bits Don't Decay', *Neural 48 Critical Digital Culture & Media Arts* 2014.

'In Another Sense: music publishing and post-digital print' in *Neural 44*, 2013.

'Bits that Matter' article on Art and the economies of 3D printing in *Neural 43*, 2012.

Selected Conferences Papers

Papers regularly presented at the Annual Association of Internet Research (AoIR) (2015, 2016, 2017, 2020), International association of Media and Communications Research (IAMCR) (2015, 2016); International Society for Electronic Arts (ISEA) (2009, 2010, 2011, 2012); ICTs and Society, 2012, 2015, Society for Social Studies of Science, 4S, 2012, 2015.

SELECTED INVITED LECTURES & TALKS:**Keynotes:**

The Future of Crypto Art, Zurich University, Keynote, June 2023

'Cash or Cache?' *Mappings Art and Technology Festival*, Geneva, May 2018.

'A Cache Society: What your money is saying about you' at *Re:Publica*, Dublin, October 2016

Selected Talks

Transmediale, MC, February, 2022

Kitties & Cache, The Case of NFTs, Facebook, December 2021

A Map of Nothing, Dublin Theatre Festival, October 2021

Digital Practice, University of the Arts London, September 2021

Digital Economies, Digital Cultures, Women in the Machine, Visual Carlow, June 2021

A Token of, Talk University of Edinburgh, June 2021

Do what you love: Twitch and Payments, University of Edinburgh, May 2021

Culture File Episode on NFTs, RTE Lyric FM, May 2021

Work, Resist, Refuse, Transmediale Panel, April 2021

New Money: How Money Became Social Media: In Conversation with Lana Swartz and Nate Tkacz, Warwick University, April 2021

Artistic Methods for Engaging with Algorithms. Roundtable Organiser and Chair, October, AoIR 2020

Methods for AI, Ant + Tech Conference, October 2020

Meet the Researcher, The Sweetspot Podcast, September 2020

An Avant Garde Public Service Broadcaster, Panel Chair, Dublin Fringe Festival, DDR September 2020

An Avant Garde Public Service Broadcaster, Workshop Facilitator, August 2020

Panel Chair, The Future of Work, the Lab Gallery, March 12 2020

Meet the Researcher, Research Talk, NCAD, March 2020

The Overheard, Talk, Goethe Institute, March 2020 (Postponed)

Deplatformization and the Ethics of Exclusion, Panel Chair, Transmediale Berlin 2020

Cash or Cache?, Talk, Hugh Lane Gallery, 2019

Moneylab Amsterdam, PAmsterdam, October 2019

Photography and the Museum, Respondent, Photo Ireland Festival, June 2019

In Conversation with Brandon LaBelle, Free Thought FM, DHG, May 2019

Cashing out and keeping account, a politics of transactional dataveillance, Moneylab, Siegen, March 2019

Art & the Freeport, Freeport, Terminal MCR, University of Manchester, February 2019

Interview with Bernard Stiegler, Inter-nation Conference, Gradcam, DIT October, 2018.

'Data & Culture? At 'Just Speculating' University of Edinburgh, June 2018.

Geneva talk

'Stop Making Money: Valuation and Non-Monetary Utopias', Transmediale, Berlin, February, 2018.

'Art and Equity: The tokenisation of art on the blockchain' Moneylab, Institute of Network Cultures, Somerset House, London, January 2018.

'Coined Liberty: Cash as Resistance to Transactional Dataveillance', Slow Computing Workshop, Programmable Cities, NUI Maynooth, Dec 2017.

'The Tokenisation of Digital and Physical Art', Using Blockchain to Secure the Supply Chain, UC Irvine, November 2017.

Panelist for 'The Aftermath of the Digital: Critical Engagements, Future Domains', DAH Conference, Trinity College Dublin, December 2016.

'Other Values', 'Tactics for Economic Dissent', *Moneylab #2*, Institute of Network Cultures, Amsterdam, December 2015.

'A Blockchain for Platform Cooperativism', *Platform Cooperativism*, The New School, New York, November, 2015.

'This is Not a Cat': A Prehistory of Mobile Networks', Exhuming the Archive Millennium Arts Centre, Portadown, Co. Armagh, Northern Ireland, January 2016.

'This Band is your Band, This Band is my Band: An Economy of Radio Spectrum' *Radical Networks*, New York, October 2015.

'Does Digital Culture Want to be Free? Distributed Ledgers, Smart Contracts and Cultural Distribution', Rhizome, New York, October 2015.

'Future Money and the Design of Security', Science Gallery, Dublin, October 2015.

'Curating for New Media in Ireland', Digital Quebec, BFI London, March 2015.

'Shifting Ground, Changing Roles – Collaborations and Perspectives', UCD Art in Science, Dublin, Panel Chair, February 2015.

'Open Source and Digital Art', Rough Draft Design & New Media Conference, Sligo 2014.

'Science and Technology Studies: Design Fictions & Functional Failures' Guest Lecture, School of Engineering, TCD, April, 2014.

'The New Commons or the New Enclosures?' Contemporary Capitalism Seminar Series, Provisional University, Dublin, November 2012.

CURATED CONFERENCES & EVENTS:

Digital cultures Webinar, Series of Talks with Co-organised with Elaine Hoey and funded by NCAD and the Digital Hub, Spring, 2021

Ascend Workshop: Artistic Strategies for Engaging with Data Politics, 2-day Workshop Funded by IRC, August, 2019

Organised Workshop on Interdisciplinary Methods for Engaging with Fintech, Moneylab, Seigen, 2019.

Co-organiser of **Data Politics, Data Markets and the Internet of Things**, Conference and Workshop, Maynooth University, Trinity College Dublin and Science Gallery, Dublin, Dec, 2016.

Lead curator of **the Openhere** conference and festival, Science Gallery, Dublin, 2014, 2012. 4-day event addressing the social, technological and cultural issues surrounding the Internet. Funded by SFI and ESOF & hosted by Science Gallery.

Organiser of **The Robinhood Offices**, a weeklong workshop and performance with the Robin Hood Minor Asset Management Agency, November 2014.

Organiser of the **Dublin Art and Technology Association (D.A.T.A)** 2009 – Present. As the leader of the Dublin Art and Technology Association, I organise an annual program of events and workshops with international invited speakers and facilitators. Recent events include 'Data and Algorithmic Governance' with artist Ben Grosser, 'Using Big Data as Cultural Analytics' with Lev Manovich and 'The Internet's Own Boy' with Gabriella Coleman.

Events curator for **The Quantified Self, The LAB**, Dublin City Council, Oct 2011. Quantified Self was an exhibition in Dublin City Council's gallery the Lab in collaboration with the developers of Shimmer wireless sensor platforms. I designed and facilitated the events program.

Organiser of '**Ahead of the Game**': a Pervasive Media Workshop and Panel discussion, Project Arts Centre, Temple Bar, Dublin, June, 2011.

Curator of **Sound-Space-Network** an event and exhibition for the International Symposium for Electronic Arts, ISEA 2009.

Organiser of **Performing in the City**, A roundtable on smart cities and artistic engagement, TCD, 2009.

REFEREES:

<p>Dr Mick Wilson Akademin Valand Göteborgs Universitet, Sweden mick.wilson@akademinvaland.gu.se +46 763251084</p>	<p>Professor Linda Doyle Dean of Research Trinity College Dublin ledoyl@tcd.ie +353 87 8171131</p>	<p>Dr Marie Redmond University of Venice (Formerly TCD) marie.redmond@unive.it +353 87 2415945</p>
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