

Dan Lockton PhD FRSA

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Education

Brunel University, School of Engineering & Design, Uxbridge, London, UK
PhD in Design, 2007–13

Thesis: Design with Intent: A design pattern toolkit for environmental and social behaviour change. Supervisors: Professor David Harrison (Brunel), Professor Neville Stanton (University of Southampton). Hamilton Prize for Best PhD Thesis in Engineering & Design.

University of Cambridge, Downing College, Cambridge, UK

MPhil in Technology Policy, 2004–5

Judge Institute of Management / Engineering Department / Cambridge-MIT Institute.
Dissertation: Architectures of Control in Consumer Product Design. Supervisor: Dr David Reiner. Examiners' Letter of Commendation.

Brunel University, Runnymede, Surrey, UK

BSc (Hons) in Industrial Design Engineering, 2000–4

First Class. Major project: Wheelchair Drive. Motion Drives & Controls Award for Best Project.

Academic appointments

Eindhoven University of Technology, Eindhoven, NL

Assistant Professor, Future Everyday, Department of Industrial Design from February 2021

Carnegie Mellon University, Pittsburgh, PA, USA

Assistant Professor, School of Design, College of Fine Arts August 2016–December 2020 (reappointed 2019)

- Courtesy appointment from January 2021 onwards, advising 2 PhDs and 2 MDes students
- Teaching remotely (from UK) from August to December 2020
- Founder of Imaginaries Lab (2017–), a new creative research initiative spanning academia and practice; managing graduate and undergraduate research assistants in the development of research projects; carrying out research; preparing funding applications; preparing publications.
- Lead design academic (PI) for School of Design and Human-Computer Interaction Institute collaboration with Philips Design, Eindhoven (2018–19) around sleep health and wellbeing.
- Director's Award, Frank-Ratchye STUDIO for Creative Inquiry, 2020–
- Chair of Design Studies (2017–20), leading and co-ordinating curriculum development for seven core undergraduate courses.
- Teaching BDes, MDes, and PhD students, as well as guest teaching on a variety of other courses, and teaching electives taken by graduate and undergraduate students from Master of Integrated Innovation for Products & Services, Human-Computer Interaction, Information Systems, Master of Tangible Interaction Design, the School of Art, Tepper School of Business,

Heinz College, Social & Decision Sciences, Creative Writing, and Chatham University.

- Advising (supervision) and committee membership for PhD and MDes students and undergraduate and postgraduate independent study projects in Design, Architecture, and HCI
- School of Design representative (elected) on the College of Fine Arts Council (2019–)
- Member of Environments Track Committee (2016–), Doctoral Program and Admissions Committees (2016–), School of Design Lecture Series Committee (2019–), COVID-19 Curriculum Committee (2020–)
- Portfolio reviews for undergraduate applicants (2016–); Master’s thesis reviews (2016–)
- Executive education facilitator for Tepper School of Business, for SP Jain Institute and Swartz Center for Entrepreneurship (2017–)
- Faculty Affiliate, Scott Institute for Energy Innovation (2017–)
- Faculty Affiliate, Carnegie Mellon Center for the Arts in Society (2019–)

Royal College of Art, London, UK

Research Tutor, Innovation Design Engineering, School of Design February 2015–July 2016 (and from July 2016 onwards, remotely)

‘Visiting Tutor’ position. From July 2016 onwards, position involves only remote supervision of PhD candidates.

- Developing departmental research, teaching and supervising practice-based MPhil and PhD researchers in design for sustainable behaviour, the Internet of Things and second-order cybernetics, synaesthesia, medical visualisation, and animation processes. Managing research section of department website. Interviewing MRes and MPhil/PhD applicants. Organising seminars and invited guests.
- Lead UK academic (2016) for collaboration with Laboratorio para la Ciudad (Mexico City), Future Cities Catapult, Superflux and UNAM around making policy and agency tangible in urban space, funded by BEIS Newton Fund: <http://legiblepolicy.info>
- Project manager (2015) for setting up public engagement work package of GATEway: Greenwich Automated Transport Environment (autonomous vehicles), funded by Innovate UK (with RCA Vehicle Design): <https://gateway-project.org.uk>
- Academic advisor (2015–16) for NHS Citizen Localnets project around community participation in healthcare decision-making (with RCA Information Experience Design / The Creative Exchange), funded by AHRC.

Royal College of Art, London, UK

Senior Research Associate, Helen Hamlyn Centre for Design March 2013–March 2015

- Member of Work & City and Age & Ability Labs.
- Quantified Self Development Grant (RCUK Sustainable Society Network+, PI)
- Creating Sustainable Innovation through Design for Behaviour Change: <http://behaviourchange.eu> (AHRC, Co-Investigator; consortium led by Professor Kristina Niedderer, University of Wolverhampton)
- SusLabNWE: international infrastructure for the design and evaluation of technologies supporting sustainable practices, consortium led by Professor David Keyson, TU Delft: <http://suslab.eu> (Interreg IVB / ERDF, postdoc researcher)
- Media, Community and the Creative Citizen: <http://creativecitizens.co.uk>
How digital technology can support and add value to community-led design projects (AHRC / EPSRC, postdoctoral researcher)
- Researcher, project manager and executive education facilitator for commercial collaborations with Qatar Foundation, Chalmers TH, NASA Johnson Space Center, Stannah

and London Creative & Digital Fusion

—Management of interns (RCA Service Design), researchers and freelance designers working on SusLabNWE and Creative Citizens projects; contribution to Centre's exhibitions and knowledge exchange including Design That Makes A Difference, 2013

University of Warwick, Coventry, UK

Research Fellow, Experiential Engineering, WMG

October 2011–September 2012

—EMPOWER: Empowering Empathic Energy Efficiency design (TSB / EPSRC, Researcher Co-Investigator by current EPSRC guidelines)

—Executive education facilitator for collaboration with Jaguar Land Rover and local enterprises

Brunel University, Uxbridge, London, UK

Research Assistant, Centre for Design Research / Cleaner Electronics

Research Group

October 2010–October 2012

—EMPOWER: Empowering Empathic Energy Efficiency design (TSB / EPSRC, Researcher Co-Investigator by current EPSRC guidelines)

Design practice

Imaginaries Lab, international

Founder / director, 2017 to date

Alongside the academic component of our work, the Lab has developed an independent consultancy side, including work funded by Demos Helsinki, the National Lottery Community Fund (UK), American Eagle Outfitters, and the crowdfunded *New Metaphors* toolkit

Doixt, Santiago, Chile

Associate consultant / advisory board member, 2018 to date

Requisite Variety, Windsor, Berkshire / Twickenham, Middlesex, UK

Freelance consultant, 2011–16

Workshops, consultancy, research and writing for clients including Autodesk, Unilever, Frog Design, Philips Research and West Sussex County Council

Dan Lockton Research, Design & Engineering, Datchet, Berkshire, UK

Freelance consultant, 2004–7

Design, prototyping, R&D and writing for clients including Sinclair Research, Tangerine and Mayhem UK

Daka Research Ltd / Sinclair Research Ltd, Coulsdon, Surrey, UK

Industrial design engineer, 2002–3

Lightweight transport design, working on A-Bike folding bicycle, Sinclair wheelchair drive unit, SeaDoo Sea Scooter, and other products

Teaching

Carnegie Mellon University, Pittsburgh, PA, 2016–20

Undergraduate

51-401 Senior Design Lab: Play Lab, Fall 2016

<http://www.cmuplaylab.com>

51-360 Environments Studio IV, Spring 2017, Spring 2018, Spring 2019, Spring 2020 (note: fully online from March 2020) <http://environments.imaginari.es>

51-372 Persuasion, Spring 2017, Spring 2018, Spring 2019, Spring 2020 (note: fully online from March 2020)

<http://persuasion.imaginari.es>

51-208 Research Methods, Spring 2018

<http://researchmethods.imaginari.es>

51-485 Imaginaries Lab: New Ways to Think, Fall 2018

<http://imaginari.es/newways>

51-487 Imaginaries Lab: New Ways to Live, Fall 2018

<http://imaginari.es/newways>

51-471 Imaginaries Lab: Research Through Design, Fall 2019, Fall 2020 (online)

<http://imaginari.es/climate> and <http://imaginari.es/rtdfall2020>

99-520 Spooky Technology: A Summer Remote Project Course, Summer 2020

<http://spookyte.ch>

As Chair of Design Studies, I have been responsible for overseeing seven core courses—Placing, Systems, Cultures, Research Methods, Futures, How People Work, and Persuasion—allocating teaching staff, and developing the future structure of this part of the curriculum.

Master's

51-825 Seminar III: Advanced Interaction and Service Design Concepts, Fall 2017, Fall 2018, Fall 2019, Fall 2020

<https://medium.com/advanced-interaction-service-design-concepts>

<https://medium.com/cmu-seminar-iii-advanced-interaction-service>

51-675 Experimenting With Design: Methods for Research Innovation, Fall 2017

<http://imaginari.es/ewd>

51-885 Imaginaries Lab: New Ways to Think, Fall 2018

<http://imaginari.es/newways>

51-887 Imaginaries Lab: New Ways to Live, Fall 2018

<http://imaginari.es/newways>

51-771 Imaginaries Lab: Research Through Design, Fall 2019, Fall 2020 (online)

<http://imaginari.es/climate> and <http://imaginari.es/rtdfall2020>

99-520 Spooky Technology: A Summer Remote Project Course, Summer 2020

<http://spookyte.ch>

Doctoral

51-920 Researching By Designing, Spring 2017

51-903 Design Theory & Practice, Fall 2018, Fall 2019, Fall 2020

<https://medium.com/advanced-interaction-service-design-concepts>
<https://medium.com/cmu-seminar-iii-advanced-interaction-service>

51-771 Imaginaries Lab: Research Through Design, Fall 2019, Fall 2020 (online)
<http://imaginari.es/climate> and <http://imaginari.es/rtdfall2020>

PhD/DDes intensives and progress reviews, Fall 2016 to date

Other teaching at CMU (guest seminars, workshops, and crits)

School of Design: MDes/MPS Seminar I, Interaction & Service Design Concepts; MDes/MPS Research Methods; MDes/MPS/MA Seminar II: Transition Design; MDes/MPS/MA Colloquium; MA Studio: Visual Communication Fundamentals; MDes Thesis Prep; BDes Placing; BDes Senior Studio; BDes Systems; BDes How People Work; BDes Speculative (Post-) Critical Design.

School of Architecture: EX-CHANGE thesis and research projects; Introduction to Design and Ecological Thinking seminar series

Human-Computer Interaction Institute: HCII seminar series

Heinz College of Information Systems & Public Policy: Master's Foundations of Social Innovation and Enterprise

Tepper School of Business / Swartz Center for Entrepreneurship: CONNECTS seminar series on Design Thinking

IDeATe Network: Guest crit for Responsive Mobile Environments and Learning Media Design MakerEd design challenge.

dSHARP Digital Humanities Network: Guest lecture, 'Imaginaries, Mental Imagery, New Metaphors, and Design'.

Universidad del Desarrollo, Santiago and Concepción, Chile, 2017-18

Lectures and workshops (in person and via video) for AREA IX / Faculty of Design on Qualitative Interfaces, Imaginaries and Design with Intent.

London College of Communication, University of the Arts London, 2016; 2018

Guest lecturer for Speculative and Critical Design Summer School, 2016, and video lecture for MA Interaction Design Communication, 2018

Copenhagen Institute of Interaction Design, Copenhagen, Denmark, 2010; 2016

Guest lecturer (2010); OPEN Lecture (2016)

Royal College of Art, London, 2013–16

Research methods seminars for PhD researchers, Innovation Design Engineering (2015–16), Design Interactions, Design Products, Service Design and Vehicle Design (2016)

Guest tutor for Information Experience Design PhD research seminars and Systems Research Group seminar (2016)

Workshop facilitation for Textiles (2016)
College-wide Research Culture Action seminars (2015)
Organising visiting speakers
Guest tutor for MA Design Products (2014) and MA Service Design (2013–14)
Running two AcrossRCA cross-college week-long programmes (2013 and 2015), and college-wide tutorials on design and behaviour research (2014–16)
Panellist for RCA Architecture / Interior Futures programme Connected City debate (2016)

Rice University, Houston / Copenhagen, 2015; 2016

Lecturer (2015) / course leader (2016), Urban Sustainability & Livability
European undergraduate summer program in Copenhagen, commissioned

Kingston University, Kingston, Surrey, UK, 2014; 2015

Lecturer, MA Creative Industries and Creative Economy, Kingston Business School. Running Start-Up weekends, 2-day practical workshops

Hamad bin Khalifa University, Doha, Qatar, 2014

Facilitator, Social Innovation Bootcamp, with Helen Hamlyn Centre for Design

Imperial College, London, 2013–14

Guest lecturer / project brief for Design-led Innovation & New Venture Creation (MEng)

University of Cambridge, 2011; 2012

Visiting instructor for Seminars in Technology Policy, MPhil Technology Policy, Judge Business School

Central Saint Martins College of Art & Design, University of the Arts, London, 2010–2012

Visiting practitioner for Graphic Design and Service Design short courses

Brunel University, Uxbridge, London, 2007–12

Lecturer, Environmentally Sensitive Design (BA/BSc), Sustainable Design (MSc)
Teaching assistant, Analogue Electronics (BA/BSc)
Guest lecturer / workshop facilitator, undergraduate HCI module, School of Information Systems, Computing and Mathematics

One-off guest teaching and academic keynotes and presentations

Institute of Advanced Design Studies, Budapest, 2020

Guest speaker and workshop leader (invited, remote, forthcoming)

12th International Conference on Social Robotics, Colorado, 2020

Keynote speaker for workshop 'Metaphors for Human-Robot Interactions'

(invited, remote, forthcoming)

Integrated Digital Media, NYU Tandon, New York, 2020

Guest speaker on metaphors and imaginaries (invited, remote)

Penn State Stuckeman Center for Design Computing, 2020

Guest speaker (invited) for Design Thinking Symposium (remote)

Nanjing University of Science and Technology, 2020

Guest speaker (invited) for Knowledge Network (remote)

Design Baithak (run from NYU IDM programme), 2020

Invited discussant for online session about utopias

PhD by Design, NYU, New York, 2020

Invited workshop with Pip Mothersill (Parsons); event postponed due to coronavirus

Design Informatics, University of Edinburgh, 2019

Visiting speaker

PhD by Design, University of Limerick, Ireland, 2018

Invited discussant

University of Pittsburgh, Pittsburgh, PA, 2018

TEDxUniversityofPittsburgh talk (invited), 'Design and the Importance of Imaginaries'

Auckland University of Technology & University of Auckland, New Zealand, 2017

Presentations to Design for Health & Wellbeing Lab, Auckland City Hospital, and Auckland Bioengineering Institute, as part of Fulbright New Zealand Design exchange workshop

Victoria University of Wellington, Wellington, New Zealand, 2017

Presentation to Faculty of Architecture and Design, as part of Fulbright New Zealand Design exchange workshop

Cornell University, Ithaca, NY, 2017

Hillier Lecture: 'Why Imaginaries Matter for Sustainability', College of Human Ecology, Design + Environmental Analysis

PhD by Design Precarity Pilot, University of Brighton, UK, 2016

Invited discussant

Schumacher College / Carnegie Mellon, Dartington, Devon, 2016

Invited panellist for Transition Design Symposium

Carnegie Mellon University, Pittsburgh, 2015

Visiting speaker/workshop for Design MA/MDes/MPS and Robert L. Preger Intelligent Workplace, School of Architecture

Victoria & Albert Museum, London, 2015

Chair, Design Culture Salon, 'Is designing for behaviour change 'creepy'?

Goldsmiths, University of London, 2015

Guest speaker, 'The Power to Act: Exploring agency, design and participation in cities' curated by Gyorgyi Galik, This Happened

Hans Sauer Foundation, Munich, 2015

Visiting tutor and speaker for Social Design Elevation Days, with Dr Nynke

Tromp (TU Delft)

University College London, 2014

Guest speaker, UCL Centre for Behaviour Change

ETSAV, UPC Barcelona, 2014

Visiting lecturer, Sustainability Summer School, presentation (with Flora Bowden), 'Revealing Complexity: People, Systems, and Design'

TU Delft, guest speaker, 2014

'Human in the Loop' industry / academia event, IDE

Chalmers TH, Gothenburg, 2014

Facilitator, sustainability hackathon

Open University, Milton Keynes, UK, 2014

Guest lecturer, Faculty of Maths, Computing & Technology

University College London, 2011

Guest speaker, The Bartlett, Behaviour Change month

Parsons The New School for Design, New York, 2011

Guest speaker, MFA Transdisciplinary Design

University of Oxford, 2011

Guest speaker, Saïd Business School, Designing Better Futures (Saïd MBA + London College of Communication MDes)

NTNU, Norwegian University of Science & Technology, Trondheim, 2011

Guest lecturer, Sustainable Product Design

University of Twente, Enschede, 2010

Guest speaker and workshop facilitator, 3TU Design for Usability project with Dr Nynke Tromp (TU Delft)

**Research
student
supervision,
advising, and
examination**

PhD completions as advisor / committee member, US system

Francis Carter, Carnegie Mellon University, Design, completed 2020.

'Equity From Within: Bridging the Health Gap through Place-Based Redirective Design Practice'. Committee: Dan Lockton (primary), Jonathan Chapman, Ruth Santana. External examiner: Eduardo Staszowski

Silvia Mata-Marin, Carnegie Mellon University, Design, completed 2020.

'Bordering Designs | Contestation Designs: An exploration of undocumented Nicaraguan women's everyday life in Costa Rica'. Committee: Dan Lockton (primary), Molly Wright Steenson, Elizabeth Chin. External examiner: Mahmoud Keshavarz

Kakee Scott, Carnegie Mellon University, Design, completed 2019.

'Co-Creating Alternative Economic Practices Through Design'. Committee: Dan Lockton (primary), Ramia Mazé, Cameron Tonkinwise. External reader: Laura Forlano

Stephen Neely, Carnegie Mellon University, Design, completed 2019.

'Soma-Literate Design'. Committee: Jonathan Chapman, Dan Lockton (secondary), Cameron Tonkinwise External examiner: Thecla Schiphorst

Michael Arnold Mages, Carnegie Mellon University, Design, completed 2018.

'Designing Civic Conversations: Things and Facilitation in High-Stakes and Difficult Conversations'. Committee: Jonathan Chapman, Dan Lockton (secondary), Cameron

Tonkinwise. External committee member: Lara Penin

Deepa Butoliya, Carnegie Mellon University, Design, completed 2018.

'Critical Jugaad: A post normal design framework for designerly marginal practices'.
Committee: Molly Wright Steenson, Katherine Moline, Stuart Candy, Dan Lockton (committee member). External committee member: Elizabeth Chin

PhD completions as supervisor, UK system

Chang Hee Lee, Royal College of Art, Innovation Design Engineering, completed 2018

'Synaesthesia Materialisation: Approaches to Applying Synaesthesia as a Provocation for Generating Creative Ideas within the Context of Design'. Supervisors: Ranulph Glanville†, Dan Lockton, John Stevens.

Nazlı Gökçe Terzioğlu, Royal College of Art, Innovation Design Engineering, completed 2017

'Do-Fix: Creating Deeper Relationships Between Users and Products Through Visible Repair'. Supervisors: Dan Lockton, Clare Brass. Examiners: Conny Bakker, Jonathan Chapman.

Delfina Fantini van Ditmar, Royal College of Art, Innovation Design Engineering, completed 2016

'IdIoT: Second-order cybernetics in the 'smart' home'. Supervisors: Ranulph Glanville†, Dan Lockton, Ashley Hall, Paul Pangaro (external). Examiners: Chris Speed, Craig Bremner.

Current PhD advisees / supervisees

Megan Urban, Carnegie Mellon University, Design. Intended completion 2022

'Tree-centered design'. Committee: Dan Lockton (primary), Noah Theriault

Andrew Twigg, Carnegie Mellon University, Design. Intended completion 2022

'Designing for care'. Committee: Dan Lockton (primary), Peter Scupelli

Dave Pao, Royal College of Art, Innovation Design Engineering. Intended completion 2021

'Electronic Medical Records for the Information Age'. Supervisors: Ranulph Glanville†, John Stevens, Dan Lockton.

External PhD examining (other than committee membership)

Alessandro Carelli, Loughborough University, Loughborough, UK, 2019

'Guidelines for the Design of Privacy Management Tools for Smartphone Devices'.

Gemma Read, Monash University, Melbourne, Australia, 2015

'Extension and application of Cognitive Work Analysis to improve pedestrian safety at level crossings'.

PhD admissions and review

External PhD progress reviewer for TU Delft, 2020

PhD admissions committee member, Carnegie Mellon School of Design, 2018–

PhD/MPhil admissions interviewer and panel member, Royal College of Art, School of Design, 2015–16

External PhD proposal reviewer for Universitat Oberta de Catalunya (Spain), 2019

External PhD admission reviewer for University of Luxembourg / Fond National de la

Recherche (Luxembourg), 2014

Internal examiner (including exam chair) for interim and MPhil–PhD transfer exams, Royal College of Art, 2015–16.

In 2014–15 I undertook Part 1 of the University of the Arts London’s ‘Supervising Research Degrees’ course at the London College of Fashion, run by the Centre for Learning and Teaching in Art & Design, achieving an A grade. If returning to the UK I would aim to undertake Part 2 as well.

Master’s thesis completions as advisor

Corine Britto, Carnegie Mellon University, Design, completed 2020. ‘Qualitative Measures of Wellness’. Advisor: Dan Lockton.

Katie Herzog, Carnegie Mellon University, Design, completed 2019. ‘Harbingers: Leveraging Feedforward to Support Ecological Consciousness’. Advisors: Stacie Rohrbach, Dan Lockton.

Gray Crawford. Carnegie Mellon University, Design, completed 2019. ‘Developing Embodied Familiarity with Hyperphysical Phenomena’. Advisors: Dan Lockton, Daragh Byrne.

MacKenzie Cherban, Carnegie Mellon University, Design, completed 2018. ‘Designing with Deaf Users’. Advisor: Dan Lockton.

Meriç Dağlı, Carnegie Mellon University, Design, completed 2018. ‘Designing “Trustworthy” Interactions for Opening the Black Box of Autonomous Intelligent Agents’. Advisors: Dan Lockton, Daragh Byrne.

Shruti Aditya Chowdhury, Carnegie Mellon University, Design, completed 2017. ‘Designing Fitness: Probes for Motivation’. Advisors: Dan Lockton, Molly Wright Steenson.

Sarah Foley, Carnegie Mellon University, Design, completed 2017. ‘Service Fictions as a Method in Problem-Finding Research in the Field of Sleep’. . Advisors: Dan Lockton, Cameron Tonkinwise.

Dixon Lo, Carnegie Mellon University, Design, completed 2017. ‘Experiential Augmentation: Representing Invisible Digital Processes with Intuitive Physical Properties’. Advisors: Stacie Rohrbach, Dan Lockton.

Current Master’s thesis advisees / supervisees

Nandini Nair, Carnegie Mellon University, Design. Advisor: Dan Lockton. Intended completion 2021.

Sanika Sahasrabuddhe, Carnegie Mellon University, Design. Advisor: Dan Lockton. Intended completion 2021.

Undergraduate thesis completions as advisor

Michael Powell, Carnegie Mellon University, Architecture, completed 2020. ‘Too little / too much: Looking at existing sensory therapy practices to inform spatial experience through an expanded definition of access’. Advisors: Josh Bard, Dan Lockton.

Independent Study and Fellowship advising

Master’s level Independent Study advising

Hannah Rosenfeld, Leah Jiang, Monique Smith, Meriç Dağlı. ‘Future Voices’, Carnegie

Mellon University, Design, Spring 2017

Sarah Foley, 'Sleep Jacket', Carnegie Mellon University, Design, Spring 2017

Hajira Qazi, 'Participatory Design and NGOs', Carnegie Mellon University, Design, Spring 2018 (with Jonathan Chapman)

Katie Herzog and Zach Bachiri, 'Data Physicalization', Carnegie Mellon University, Design, Spring 2019

Gray Crawford, 'Energy Sonification', Carnegie Mellon University, Design, Spring 2019 (with Daragh Byrne)

Mia Manavalan, 'The Life of a Keurig Cup', Carnegie Mellon University, Human-Computer Interaction, Fall 2019 and Spring 2020

Anuprita Ranade, 'Spooky Technology', Carnegie Mellon University, Design, Fall 2020 (with Daragh Byrne)

Undergraduate Independent Study advising

Rachel Chang, Carnegie Mellon University, Design, Spring 2017

Courtney Pozzi, Carnegie Mellon University, Design, Spring 2017

Rae Headrick and Julia Wong, Carnegie Mellon University, Design, Spring 2017

Helen Wu, Carnegie Mellon University, Design, Fall 2017

Soonho Kwon, Carnegie Mellon University, Design, Spring 2018

Ethan Ye and Sherry Wu, Carnegie Mellon University, Design, Spring 2019

Lucas Ochoa, Carnegie Mellon University, Design, Spring 2019

Erin Ryan, Carnegie Mellon University, Design, Fall 2019

Meijie Hu, Carnegie Mellon University, Design, Fall 2020

Undergraduate Research Fellowship advising

Ty Van de Zande, 'Printerface' (SURF grant), Carnegie Mellon University, Design, Summer 2017

Cameron Burgess and Conner Harden, 'Mirror Pair: Tangible Communicable Hybrid (physical/digital) State-Mirroring Objects' (SURG grant), Carnegie Mellon University, Design, Spring–Fall 2018

Professional service and esteem

Grant and project reviewer/evaluator

– London Design Biennale / Chatham House Environment Steering Group, 2020–
– EU Horizon 2020 Future & Emerging Technologies Programme (pan-European), 2017–

– Engineering and Physical Sciences Research Council (UK), 2016; 2019

– RCUK Sustainable Society Network+ (UK), 2014

– Fond National de la Recherche (Luxembourg), 2014

Committee work and professional activity

– PhD By Design North America, organizing committee, October 2020–

- Low Carbon Design Institute, advisory board, August 2020–
- Design Research Society, International Advisory Council, elected member May 2020
- ACM C&C (Creativity & Cognition) 2021, Workshops co-chair and programme committee member
- ACM DIS 2020, Student Design Competition co-chair; papers subcommittee, Associate Chair;
- ACM CHI 2020 and 2018, Design subcommittee, Associate Chair
- Microsoft Research Faculty Summit, Seattle, invited participant, 2019
- ACM DIS 2019, pictorials subcommittee, Associate Chair;
- EPIC 2019 Ethnographic Praxis in Industry Conference, program committee member
- Plurality University Network, Paris, founding member, 2018
- Sketch Model at Olin College Summer workshop (Mellon Foundation) selected participant, June 2018.
- Design Research Society DRS 2018, Limerick, Track chair for ‘Designing for Transitions’ track. Review panel member for ‘Conversations’ track.
- Design Research Society DRS 2016, Brighton, Conference experience co-chair.
- Design Research Society DRS 2014, Umeå, Session chair for three sessions.
- Scientific/programme committee member for Persuasive 2015, Chicago; EcoDesign 2015, Tokyo; DRS 2016, Brighton; Research Through Design 2017, Edinburgh.
- Invited participant, Engineering and Physical Sciences Research Council TEDDINET Energy Social Scientists in a Multidisciplinary Setting: Opportunities and Challenges project, University of Bath, 2015
- Invited participant, Economic and Social Sciences Research Council, Tackling Antimicrobial Resistance workshop on ‘Behaviour and antimicrobial resistance’, 2015
- Founding committee member for Design Research Society Sustainability Special Interest Group, 2014
- Project representative, EPSRC Connected Communities Festival, Cardiff, 2014
- Invited member of working group, Royal Academy of Engineering / Royal Institute of British Architects / Economic & Social Sciences Research Council / Arup ‘Built for Living’ project, 2013–15.
- Fellow (invited) of the Royal Society for the encouragement of Arts, Manufactures and Commerce (FRSA), 2008–

Peer review

- Peer review for journals: *International Journal of Design*, *Design Studies*, *Co-Design*, *ACM Transactions on Computer-Human Interaction*, *She Ji: The Journal of Design, Economics, and Innovation*, *Frontiers Psychology*, *Energy Research and Social Science*, *Energy Efficiency*, *Journal of Futures Studies*, *Communication Design*, *Applied Ergonomics*, *Ergonomics*, *Computers in Human Behavior*, *Journal of Design Research*, *The Design Journal*, *International Journal of Sustainable Engineering, Sustainability*, *Philosophy & Technology*, *Scan: Journal of Media Arts Culture*, *Journal of Economic Surveys*, *Review of Behavioural Economics*.
- Peer review for conferences: RTD 2019, CSCW 2018, CHI 2013, CHI 2014, CHI 2017, CHI 2018, CHI 2019, CHI 2020, DIS 2019, DIS 2020; RTD 2017; Ubicomp 2014, DRS 2014, DRS 2016, DRS 2018, NordiCHI 2020, NORDES 2015, NORDES 2017, IASDR 2015, Include 2013, EPIC 2013, EPIC 2019, RSD 7 and 8; and Hawai’i International Conference on System Sciences 2009.

–Book proposal review for: Ashgate; Earthscan, Routledge.

Mentoring, advising, and judging

–Panel member for **Core77** Student Design Showcase 2020

–Student Design Competition chair, ACM DIS 2020, Eindhoven

–Jury member, IxDA Interaction Awards 2019

–Mentor for School of Communication Arts 2.0, London, 2015

–Judge for Sustain RCA Awards 2015, Royal College of Art

–Mentor for Clearleft, Brighton, internships 2015

–Advisory Panel, Smart Energy GB, 2015–

–Interviewer (off-screen) for Zero Spaces, a film exploring the ideas of Ranulph Glanville through talking to his students, Royal College of Art, 2015

–Mentor for IxDA Student Challenge, 2012, Dun Laoghaire Institute of Art, Design & Technology

–Mentor for Global Service Jam, London, 2012

–Judge for Core77 / Autodesk / iFixit Design For (Your) Product Lifetime Student Challenge, 2012

–Judge for Chelsea College of Art & Design, MA Designing Interactions Student Design Challenge, 2012

–Judge for Forum for the Future / BUPA Spark! Competition, 2012

Grants, awards, and contracts

Emerging Futures Fund Award, National Lottery Community Fund, Autumn 2020

Executive Education contract, ‘Design Thinking’, American Eagle Outfitters / Tepper School of Business, October 2020: **\$14,500**

Demos Helsinki / National Lottery Community Fund UNTITLED public imagination development workshops, May–June 2020: **£5,600**

Co-Principal Investigator, ‘Spooky Technology’, Carnegie Mellon College of Fine Arts Research & Creativity Fund, April 2020: **\$4,950**

Director’s Fund Award, Frank-Ratchye STUDIO for Creative Inquiry, March 2020: **\$2,500**

Executive Education contract, ‘Innovation and New Technologies’, SP Jain Institute Global Fast Track / Tepper School of Business, July 2019: **\$7,500**

Principal Investigator, ‘Sleep Ecologies: Researching Playification for Sleep, Energy and Wellness’. Sponsored project with Philips Design, May 2019: **\$25,000**

Kynamatrix Research Network Innovation through Collaboration project grants for Master’s advisees, February 2018 and 2019, **\$2,000**

Maker Faire Pittsburgh, Maker of Merit awards (×2) for Electric Acoustic project (with Devika Singh and Shengzhi Wu), October 2017

Berlin Writing Prize, longlist, August 2017

Principal Investigator, ‘Electric Acoustic’, experiential energy sonification, Carnegie Mellon College of Fine Arts Research & Creativity Fund, April 2017: **\$5,000**

UK academic Investigator, ‘Legible Policy’, UK–Mexico Institutional Links collaboration, Laboratorio para la Ciudad, Future Cities Catapult, Superflux, 13

UNAM, British Council Newton Fund, December 2015: **£18,000**

Academic advisor, Creative Exchange 'NHS Citizen Localnets' grant, funded by Arts & Humanities Research Council, November 2015: **£3,000**

Principal Investigator, 'Understanding Human Connectivity and the Quantified Self' (with Dr Kathryn Buchanan, Psychology, University of Essex), RCUK Sustainable Society Network+ Development Grant, January 2015: **£500**

AT Kearney Global Policy Council scholarship, Oxford Futures Forum, 2014: **£600**

Co-Investigator, 'Creating Sustainable Innovation through Design for Behaviour Change' (PI: Kristina Niedderer, University of Wolverhampton), AHRC research grant AH/L013525/1, March 2014: **£39,586**

British Computer Society, Best Short Paper Award, HCI 2013

Hamilton Prize for best PhD in Engineering & Design, Brunel University, 2013

Researcher Co-Investigator / Lead researcher (from sandpit participation), 'EMPOWER: Empowering Energy Efficiency through Empathic Design', Technology Strategy Board Low Impact Buildings Innovation Platform (PIs: Professor David Harrison, Brunel University; Dr Rebecca Cain, University of Warwick; Luke Nicholson, More Associates), 2010: **£400,000**

International Travel Grant, Royal Academy of Engineering, 2009: **£500**

PhD studentships, Thomas Gerald Gray Charitable Trust (**£15,000** + tuition fees) and Ormsby Trust (**£30,000** + tuition fees), Brunel University, 2007–10

Fellow (invited) of the Royal Society for the encouragement of Arts, Manufactures and Commerce (FRSA), 2008–

Oxford Creativity Assistive Technology/TRIZ Competition, prize-winner, 2007

Bosch Technology Horizons Award, essay competition, runner-up, 2006

Isambard Kingdom Brunel Award for Includinate backup lighting system, 2006: **£2,000**

Judge Institute of Management, University of Cambridge, Examiners' Letter of Commendation for MPhil thesis, 2005

Cambridge University Entrepreneurs Award, winner for Wheelchair Drive project, 2005: **£1,000**

**Industry
and public
knowledge
exchange**

Budapest Design Week, 2020, talk and panel discussion on design for circularity

IxDA World Interaction Design Day, 2020, presentation on the Imaginaries Lab

American Eagle Outfitters, Pittsburgh, 3 remote workshops on design thinking using New Metaphors and futuring techniques, 2020

UNTITLED Festival, 2020, New Metaphors workshop for Demos Helsinki partner alliance (with Sanika Sahasrabuddhe)

UNTITLED Reimagine the Agenda, 2020, 2-day online workshop for Demos Helsinki partner alliance (with Tammar Zea-Wolfson)

National Lottery Community Fund, London, workshop, 2020

Mozilla Festival 2019, London, workshop 'Materializing Mental Health' (with Ulu Mills and Jen Brown) for BBC Neurodiversity space

IxDA Interaction Latin America, Rio de Janeiro, 2018, keynote 'Design and Imaginaries'

Ellen MacArthur Foundation Disruptive Innovation Festival, 2018, webinar about New Metaphors project

IxDA Pittsburgh, 2018, presentation on the Imaginaries Lab

Future Perfect, Data & Society Research Institute, New York, 2018, exhibition and discussion of 'Where are the humans in AI?' projects

UX Lisbon conference, Portugal, 2018, workshop 'New Metaphors' and presentation 'Design and The Importance of Imaginaries'

TEDx University of Pittsburgh, 2018, presentation 'Design and The Importance of Imaginaries'

IxDA Interaction 18 conference, Lyon, France, 2018. Workshop: 'New Metaphors'.

Maker Faire Pittsburgh, 2017. Booth for Electric Acoustic project, with Devika Singh and Shengzhi Wu

Google SPAN Pittsburgh, 2017, workshop 'New Metaphors and Qualitative Interfaces'

Policy Horizons Canada, 2016, expert interviewee for foresight study on sustainability

Yamaha Design Studio 2016, Sound with Creative Intention workshop, with RCA

Laboratorio para la Ciudad, Mexico City, 2016, Diseño para la Ciudad, presentation 'Design and Behaviour in the City' and Sobremesa discussion on design education

Behavior Design Amsterdam 2016, presentation 'Design, understanding, and agency'

London SusLabNWE Living Lab, 2015, presentation at opening event (with Flora Bowden), 'Including People in the Process'

Future Cities Catapult, London, 2015, presentation, 'Introducing the RCA'

Future London Academy, 2015, presentation, 'Design and behaviour change'

Hans Sauer Foundation, Munich, 2015, presentation, 'Social Design for Behaviour Change'

Guardian Tech Weekly podcast, 2015, guest on dark patterns

Lost My Name, London, presentation, 2015

Design for Action, Washington, DC, 2015, presentation, 'Design, Behavior, and Understanding'

Microsoft Research, Cambridge, 2015, presentation, 'Connected Design, Behaviour, and Understanding'

Policy Lab, Cabinet Office, London, 2015, invited participant in community energy Local Supply Working Group design event

Product Tank London, 2015, presentation, 'Understanding Understanding in Design for

Behaviour Change'

Keep Britain Tidy Centre for Social Innovation, launch event, 2015, presentation, 'Design for behaviour change: Two research-based approaches for how to do it better'

Green Sky Thinking, Max Fordham, 2015, presentation, 'Understanding Understanding in Design for Behaviour Change'

This Happened London, Goldsmiths, 2015, presentation, 'Connected Understanding: An Emerging Family of Projects'

V&A Digital Design Weekend, London, 2014, two-day exhibition and activities, 'Drawing Energy and Powerchord'

London Behavioural Economics Network, 2014, presentation, 'Nuance Not Nudge: Designing with people and reframing behaviour change'

Wellcome Trust / Giraffe Innovation Food & Drink Initiative, London, 2014, invited workshop participant

IxDA London, 2014, presentation, 'Powerchord and Drawing Energy'

EPSRC / AHRC Connected Communities Festival, Cardiff, 2014, exhibition, 'Creative Citizens'

OgilvyChange 'Nudgestock 2' 2014, presentation, 'Designing with people in behaviour change'

International Energy Agency 'Task 24: Closing the Loop—Behaviour Change in DSM: From theory to practice' workshop, Environmental Change Institute, University of Oxford, 2014, invited participant

V&A Digital Futures, 2014, presentation (with Flora Bowden), 'People, Energy, and Everyday Life'

UK Art Science Prize, 2014, project inspirer; presentation (with Flora Bowden), 'People, Energy, and Everyday Life', Derby Silk Mill

Chalmers TH / NASA Johnson Space Center Hackathon organiser, Gothenburg, Sweden 2014

Stannah (with Helen Hamlyn Centre), Andover, 2013, residential 'Stannah Innovation Camp' workshop facilitation & presentation, 'Design and Behaviour'

Transparency International Ambient Accountability workshop, Berlin, 2013, invited participant

Hans-Bredow-Institut für Medienforschung, Hamburg, 2013, 'Submit: Code as Control' workshop, invited participant.

Unilever, Lifebuoy behaviour change workshop participant, 2013

Spice Innovations, London, presentation, 2013

Ripple PRD for West Sussex County Council and Crawley Borough Council, workshops, 2012–13

SusLabNWE Project, Royal Festival Hall, London, presentation, 2012

IxDA Interaction 12 conference in Dublin, workshop, 2012

ESPRU 'Household Energy Consumption, Technology and Efficiency' event, University of Birmingham, 2012, presentation 'Behaviour Change at Work'

R/GA, London, presentation, 2012

Ubisoft, Paris, presentation, 2012

Dyson, Malmesbury, presentation, 2012

Mini Maker Faire Brighton, booth for Making Instructions with Rob Phillips, 2012

Jaguar Land Rover (with WMG), workshop & presentation, 2012

Her Majesty's Revenue & Customs, London, presentation, 2012

Arup Foresight 'Campus of the Future' workshop, London, invited participant, 2011
Philips Research (with NTNU), Eindhoven, workshop & presentation, 2011
Technology Strategy Board at Innovate '11, London, presentation, 2011
Modern Built Environment Knowledge Transfer Network, London, workshop facilitation, 2011
dConstruct 2011, Brighton, workshop
RCA / Johnson Controls 'Sustainable For All' project, 2011, London, invited workshop participant
More Associates/ Department of Energy & Climate Change, London, workshop, 2011
UX People 2011, London (Zebra People), workshop
Foviance, London, presentation, 2010
Brighton & Sussex University Hospitals NHS Trust at the Design Council, London, running workshop, 2010
UX London 2010, running two workshops
Good for Nothing, London, 2010, project volunteer developing social media for Global Generation, an urban agriculture charity
IDEO London, with RSA and National Policing Improvement Agency, workshop facilitation & presentation, 2009
Radar Arts, Loughborough, Architectures of Control Symposium, 2009
EMC Consulting, London, presentation, 2009
QinetiQ, Sevenoaks, presentation, 2009
Design Council, London, presentation, 2009
Marks & Spencer, London, presentation, 2008
Engine Service Design, London, presentation, 2008
UFI Learndirect, Sheffield, presentation, 2008

Publications

Google Scholar profile:

<https://scholar.google.com/citations?user=zeFMckYAAAAJ>

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Academic & practitioner journal articles

- Lockton, D., Forlano, L., Fass, J., Brawley, L. (2020). 'Thinking with Things: Landscapes, Connections and Performances as Modes of Building Shared Understanding'. *IEEE Computer Graphics & Applications*, 40(6), 38-50
- Ricketts, D. and Lockton, D. (2019). 'Mental Landscapes: Externalizing Mental Models Through Metaphors'. *Interactions* 26, 2, pp.86-90.
- Lockton, D. and Candy, S. (2019) 'A Vocabulary for Visions in Designing for Transition'. *Cuadernos del Centro de Estudios de Diseño y Comunicación* 73, pp. 27-49.
- Lockton, D. (2019) 'What are you reading? Dan Lockton'. *Interactions*, 26(1), 12-13.
- Lee, C.H. and Lockton, D. (2018). 'Demo Hour: Silent Scene'. *Interactions* Vol.25 No.6, pp. 10-11. doi: 10.1145/3279993
- Pao, D., Stevens, J., Lockton, D., Weinstein, N. (2018) 'Design better EPR: a mixed methods survey and 'test drive' comparing clinical usability across two systems and a provotype interface'. *HIV Medicine* 19, S99-100.

- Pao, D., Stevens, J., Lockton, D. (2017) 'Together in electric screams: the frustrations of GUM electronic patient records'. *Sexually Transmitted Infections* 93 (Suppl 1), P053. doi:10.1136/sextrans-2017-053232.99
- Niedderer, K., Ludden, G., Clune, S. J., Lockton, D., Mackrill, J., Morris, A., Cain, R., Gardiner, E., Evans, M., Gutteridge, R., Hekkert, P. P. (2016). 'Design for behaviour change as a driver for sustainable innovation: Challenges and opportunities for implementation in the private and public sectors'. *International Journal of Design*, Vol. 10 No. 2, pp. 67-85.
- Fantini van Ditmar, D. and Lockton, D. (2015) 'Taking the code for a walk'. *Interactions* Vol.23 No.1, pp. 68-71. doi:10.1145/2855958
- Lockton, D., Nicholson, L., Cain, R., Harrison, D. (2014) 'Persuasive Technology for Sustainable Workplaces'. *Interactions* Vol.21 No.1, pp. 58-61. doi:10.1145/2544170
- Lockton, D., Harrison, D., Stanton, N.A. (2013) 'Exploring design patterns for sustainable behaviour'. *The Design Journal* Vol.16 No. 4, pp. 431-459, 2013. doi: 10.2752/175630613X13746645186124
- Gorzanelli, C., Ramster, G., Outten, A., Lockton, D. (2013) 'Cittadini e nuovi media per un'intelligenza creativa' [Citizens and new media for a creative intelligence]. *Urbanistica Tre* Vol. 1 No. 3, pp. 75-84, 2013
- Phillips, R., Lockton, D., Baurley, S., Silve, S. (2013) 'Making instructions for others: exploring mental models through a simple exercise'. *Interactions* Vol.20 No.5, pp. 74-79, Sept-Oct 2013. doi:10.1145/2505290
- Lockton, D., Harrison, D., Cain, R., Stanton, N.A., Jennings, P. (2013) 'Exploring problem-framing through behavioural heuristics'. *International Journal of Design* Vol.7 No.1, April 2013
- Lockton, D., Harrison, D., Stanton, N.A. (2012) 'Models of the user: designers' perspectives on influencing sustainable behaviour'. *Journal of Design Research* Vol.10 No.1/2, pp.7-27, 2012 doi:10.1504/JDR.2012.046137
- Lockton, D., Harrison, D., Stanton, N.A. (2010) 'The Design with Intent Method: a design tool for influencing user behaviour'. *Applied Ergonomics* Vol.41 No.3, pp. 382-392, May 2010 doi:10.1016/j.apergo.2009.09.001
- Bisset, F. and Lockton, D. (2010) 'Designing Motivation or Motivating Design? Exploring service design, motivation and behavioural change'. *Touchpoint: The Journal of the Service Design Network* Vol.2 No.1, April/May 2010
- Marsh, N. and Lockton, D. (2010) 'Research in practice: Bringing behaviour change from lab to studio'. *Touchpoint: The Journal of the Service Design Network* Vol.2 No.1, April/May 2010
- Lockton, D. (2009) 'Design for sustainable behaviour: influencing users to improve efficiency of product use'. *Interfaces* 78, British Computer Society Interaction Group, Spring 2009
- Lockton, D., Harrison, D., Stanton, N.A. (2008) 'Making the user more efficient: Design for sustainable behaviour'. *International Journal of Sustainable Engineering* Vol.1 No. 1, pp. 3-8, March 2008. doi:10.1080/19397030802131068

Lockton, D. (2006) 'Architectures of Control in product design'. Engineering Designer: The Journal of the Institution of Engineering Designers, March/April 2006

Conference papers and extended abstracts

Lockton, D., Zea-Wolfson, T., Chou, J., Song, A., Ryan, E., Walsh, C.J. (2020). 'Sleep Ecologies: Tools for Snoozy Autoethnography'. DIS 2020: ACM Conference on Designing Interactive Systems, July 2020, Eindhoven.

Lockton, D. and Lallemand, C. (2020). 'Meeting Designers Where They Are: Using Industry Events as a Research Venue for HCI and Design Methods Development'. CHI 2020: ACM Conference on Human Factors in Computing Systems, April 2020, Hawai'i.

Burgess, C., Albert, M., Lockton, D., Cardoso Llach, D. (2020). 'Stamper: An Artboard-Oriented Creative Coding Environment'. CHI EA 2020: Extended Abstract proceedings of the 2020 ACM SIGCHI Conference on Human Factors in Computing Systems

Lockton, D., Chou, M., Krishnaprasad, A., Dixit, A., La Vattiata, S., Shon, J., Geiger, M., Zea-Wolfson, T. (2019). 'Metaphors and imaginaries in design research for change'. AHRC Design Research for Change Symposium, December 2019, London.

Lockton, D., Brawley, L., Aguirre Ulloa, M., Prindible, M., Forlano, L., Rygh, K., Fass, J., Herzog, K., Nissen, B. (2019). 'Tangible Thinking: Materialising how we imagine and understand interdisciplinary systems, experiences, and relationships'. RSD8: Relating Systems Thinking and Design Symposium, Chicago, October 2019

Jeffries, A. and Lockton, D. (2019), Designing for Agency. Ethnographic Praxis in Industry Conference Proceedings, 2019: 207-207. doi:10.1111/1559-8918.2019.01278

Lockton, D., Singh, D., Sabnis, S., Chou, M., Foley, S., Pantoja, A. (2019). 'New Metaphors: A Workshop Method for Generating Ideas and Reframing Problems in Design and Beyond'. C&C 2019: ACM Conference on Creativity & Cognition. June 2019, San Diego.

Boehnert, J., Gaziulusoy, İ., Lockton, D., Pettersen, I.N., Sinclair, M. (2019). 'Power and Politics in Design for Transition'. ADIM 2019: Academy for Design Innovation Management, June 2019, London.

Lockton, D., Crawford, G., Singh, D., Wu, S. (2019). 'Electric Acoustic: Exploring Energy Through Sonic & Vibration Displays'. CHI EA 2019: ACM Conference on Human Factors in Computing Systems, extended abstracts, Glasgow.

Lee, C.H., Lockton, D., Stevens, J., Wang, S.J., Ahn, S-H. (2019). 'Synaesthetic-Translation Tool: Synaesthesia as an Interactive Material for Ideation'. CHI EA 2019: ACM Conference on Human Factors in Computing Systems, extended abstracts, Glasgow.

Bose, G., Lu, M., Ochoa, L., Lockton, D. (2019). 'Emoto: From Phone to Emotive Robotic AI Sidekick'. TEI 2019: ACM Conference on Tangible,

- Embedded, and Embodied Interactions. March 17-20, 2019, Tempe, AZ.
- Lockton, D. (2018). 'Exploring R.D. Laing's Knots in Systemic Design'. RSD 7: Relating Systems Thinking and Design Symposium, 24–26 October 2018, Turin, working paper. (free open access PDF). (note, original abstract and presentation was titled 'Old Rope? Laing's Knots and Bateson's Double Binds in Systemic Design')
- Boehnert, J., Lockton, D., Mulder, I. (2018). 'Editorial: Designing for Transitions'. DRS 2018: Design Research Society, 25–28 June 2018, Limerick.
- Pao, D., Stevens, J., Lockton, D., Weinstein, N. (2018). 'Electronic Medical Record Prototype: visualisation maximises clinical usability'. EVA London 2018: Electronic Visualisation & the Arts, 10–12 July 2018, London.
- Foley, S.M. and Lockton, D. (2018). 'Service Fictions through Actant Switching'. DRS 2018: Design Research Society, 25–28 June 2018, Limerick.
- Lockton, D. and Candy, S. (2018). 'A Vocabulary for Visions in Designing for Transitions'. DRS 2018: Design Research Society, 25–28 June 2018, Limerick.
- Lee, C.H. and Lockton, D. (2018). 'Exploring Cognitive Playfulness Through Zero Interactions'. DIS 2018: ACM Conference on Designing Interactive Systems, 9–13 June 2018, Hong Kong.
- Lo, D., Lockton, D., Rohrbach, S. (2018). 'Experiential Augmentation: Uncovering The Meaning Of Qualitative Visualizations When Applied To Augmented Objects'. CHI 2018: ACM Conference on Human Factors in Computing Systems, April 21–26 2018, Montreal.
- Carter, F., Mata-Marin, S., Onafuwa, D., Ansari, A., Lockton, D. (2017). 'Changing behavior of the systems we're in: Designing for transitions in Environment, Economy, and Democracy'. RSD6: Relating Systems Thinking and Design 6 Symposium, 18-20 October 2017, Oslo.
- Van de Zande, T. and Lockton, D. (2017). 'Printerface: Screen Printed Electroluminescent Touch Interface'. ISS '17: 2017 ACM International Conference on Interactive Surfaces and Spaces, 17-20 October 2017, Brighton, UK.
- Mata-Marin, S. and Lockton, D. (2017). 'Technologies of Division: Everyday Bordering'. NORDES 2017: 7th Nordic Design Research Conference, 15-17 June 2017, Oslo.
- Pao, D., Stevens, J., Lockton, D., Weinstein, N. (2017). 'Together in Electric Screams: A Survey of EPR Usability and Clinician Wellbeing'. BASHH-SSSTDI Annual Conference, 18-20 June 2017, Belfast.
- Lockton, D., Ricketts, D., Aditya Chowdhury, S., Lee, C.H. (2017). 'Exploring Qualitative Displays and Interfaces'. CHI EA '17: ACM CHI Conference on Human Factors in Computing Systems, Denver, Colorado, 6-11 May 2017. Extended Abstracts, pp. 1844-1852. doi:10.1145/3027063.3053165
- Terzioğlu, N., Brass, C., Lockton, D. (2016). '3D Printing for Repair: A Paradigm Shift in Fixing Our Relationships with Things'. Sustainable Innovation 2016: Circular Economy Innovation & Design, 7-8 November 2016, Epsom, UK.
- Lockton, D. (2016). 'Transition Lenses: Perspectives on futures, models

and agency'. Transition Design Symposium: Can Design Catalyse the Great Transition? 17-19 June 2016, Dartington, UK.

Terzioğlu, N., Brass, C. & Lockton, D. (2015) 'Understanding User Motivations And Drawbacks Related To Product Repair'. Sustainable Innovation 2015, 9-10 November 2015, Epsom, UK.

Choi, Y., Lockton, D., Brass, C., & Stevens, J. (2015) 'Opportunities for sustainable packaging design: Learning from pregnancy as a metaphor'. Sustainable Innovation 2015, 9-10 November 2015, Epsom, UK.

Ranner, V. & Lockton, D. (2015) 'Reflective Silk—Behaviour Change through Better Self-Knowledge'. DRHA 2015: Digital Research in Arts and Humanities, 1-3 September 2015, Dublin (abstract)

Lockton, D., Bowden, F., Brass, C. & Gheerawo, R. (2014) 'Powerchord: Towards ambient appliance-level electricity use feedback through real-time sonification'. UCAMl 2014: 8th International Conference on Ubiquitous Computing & Ambient Intelligence, 2-5 December 2014, Belfast

Lockton, D., Bowden, F., Brass, C. & Gheerawo, R. (2014) 'Bird-watching: exploring sonification of home electricity use with birdsong'. SoniHED – Conference on Sonification of Health and Environmental Data, 12 September 2014, York

Lockton, D., Renström, S., Bowden, F., Rahe, U., Brass, C. & Gheerawo, R. (2014) 'Energy storytelling through annotating everyday life'. BEHAVE 2014: 3rd European Conference on Behaviour and Energy Efficiency, 3-4 September 2014, Oxford

Niedderer, K., MacKrill, J., Clune, S., Evans, M., Lockton, D., Ludden, G., Morris, A., Gutteridge, R., Gardiner, E., Cain, R. & Hekkert, P. (2014) 'Joining Forces: Investigating the influence of design for behaviour change on sustainable innovation'. NordDesign 2014: 10th biannual conference on design and development, 27-29 August 2014, Aalto University, Espoo, Finland

Baedeker, C., Greiff, K., Grinewitschus, V., Hasselkuß, M., Keirstead, J., Keyson, D., Knutsson, J., Liedtke, C., Lockton, D., Lovric, T., Morrison, G., van Rijn, M., Rohn, H., Silvester, S., van Harinxma, W. & Virdee, L. (2014) 'Transition through sustainable Product and Service Innovations in Sustainable Living Labs: application of user-centred research methodology within four Living Labs in Northern Europe'. IST 2014 : 5th International conference on Sustainability Transitions, 27-29 August 2014, Utrecht

Greene, C., Sobers, S., Zamenopoulos, T., Ramster, G. & Lockton, D. (2014) 'Reflections on co-production – the community perspective'. Royal Geographical Society 2014 Annual International Conference, 26-29 August 2014, London (abstract).

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International Association of Empirical Aesthetics, 22-24 August 2014, New York

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Lockton, D., Harrison, D., & Stanton, N. A. (2010) 'Concept Generation for Persuasive Design'. In Persuasive Technology: Fifth International Conference, Persuasive 2010, Copenhagen, Denmark, June 7-9, 2010, poster proceedings, University of Oulu Department of Information Processing Science

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Lockton, D., Harrison, D. & Stanton, N.A. (2009) 'Choice Architecture and Design with Intent'. In Wong, W & Stanton, N.A. (eds.), NDM9 – 9th Bi-annual International Conference on Naturalistic Decision Making, June 23-26, 2009, London, UK, Doctoral Consortium Proceedings, British Computer Society, Swindon

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K. Segerstahl, & P. Ohrstrom (Eds.), *Persuasive Technology: Third International Conference, Persuasive 2008*, Oulu, Finland, June 4-6, 2008, Proceedings (p. 274–278), *Lecture Notes in Computer Science* vol. 5033, Springer, Berlin. doi:10.1007/978-3-540-68504-3_30

Books and card decks authored & edited

Lockton, D., Urban, M., Albaugh, L., Petrich, J., Zea-Wolfson, T., Deng, E., Chun, J., Song, A., Lee, S., Allred, C., Wang, J., Fu, Y., Sieh, Y., Costes, C., Karavdic, E., Ploehn, C., Koid, S., Lin, D., Kim, R., Prindible, M., Geiger, M. (2019). *Climate Pathways: Projects from the Imaginaries Lab*. Pittsburgh & Dawlish: Imaginaries Lab, ISBN 978-0-9565421-4-4 (print)

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Lockton, D. (2019). 'Data Physicalization'. In: Martin, B. and Hanington, B., *Universal Methods of Design Expanded and Revised: 125 Ways to Research*

Complex Problems, Develop Innovative Ideas, and Design Effective Solutions. Rockport.

Lockton, D. (2019). 'Metaphors'. In: Martin, B. and Hanington, B., Universal Methods of Design Expanded and Revised: 125 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions. Rockport.

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Lockton, D. (2017). 'Design, Behaviour Change, and the Design with Intent Toolkit'. In: Niedderer, K., Clune, S.J., Ludden, G. (Eds.), Design for Behaviour Change: Theories and practices of designing for change. London: Routledge.

Lockton, D. and Ranner, V. (2017). 'Plans and speculated actions: Design, behaviour and complexity in sustainable futures'. In: Chapman, J. (ed.), The Routledge Handbook of Sustainable Product Design. London: Routledge, pp. 487-501.

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January 2021