

### 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 February 2021 to date (tenured January 2023)**

- Fellow of the Centre for Unusual Collaborations (EWUU Alliance)
- Member of 'Seamless Interaction Design' (2021) and 'New Futures' (2021 to date) squads
- PI for IMAGINE: Contested Futures of Sustainability (2022–25) and Playing With The Trouble: Games as a method for transformative collaborations (2022–3)
- Education activities in Master's and Bachelor's programmes
- Member, Eindhoven Artificial Intelligence Systems Institute
- Member, Eindhoven Institute for Renewable Energy Systems
- Committee member, Future Everyday Colloquium series
- Committee member, FTC Master's Admissions Committee

#### **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 PhDs and MDes students
- **Chair of Design Studies** (2017–20), leading and co-ordinating curriculum development for seven core undergraduate courses.
- 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

\* Fellow of the RSA—  
The Royal Society for  
the Encouragement of  
Arts, Manufactures and  
Commerce (UK)

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–

– 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)

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## **Design practice**

**Imagineries Lab, Pittsburgh, USA / Amsterdam & Utrecht, Netherlands**  
**Founder / principal, 2017 to date**

Alongside the academic component of our work, the Lab has developed an independent consultancy side, including work funded by the National Lottery Community Fund (UK), American Eagle Outfitters, and publishing the (initially) crowdfunded *New Metaphors* toolkit and the *Spooky Technology* book in collaboration with the Frank-Ratchye STUDIO for Creative Inquiry.

## **Doixt, Santiago, Chile**

**Associate consultant / advisory board member, 2018–19**

**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

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**Education  
activities**

**Eindhoven University of Technology, Eindhoven, Netherlands, 2021–**

**Undergraduate**

DCB100 From Idea to Design, Q1 2021–22

DFP005 Seamless Interaction Design for Professionals, Q3, Q4, 2020-21

DFP003 New Futures: Connectivity in the Home with Energy, Systems, and Sound, Q1, Q2, Q3, Q4 2021-2022; Q1, Q2 2022–2023

**Master's**

DCM100 Constructive Design Research, Q1 2021–22; Q1 2022–23

DCM170 Researching the Future Everyday, Q4 2020–21; Q4 2021–22

DFP005 Seamless Interaction Design for Professionals, Q3, Q4, 2020-21

DFP003 New Futures: Connectivity in the Home with Energy, Systems, and Sound, Q1, Q2, Q3, Q4 2021-2022; Q1, Q2 2022–2023

**Other teaching at TU/e (guest workshops and talks)**

DDM110 Design for Behavioural Change; DDB180 ID Green - Design Perspectives on Sustainability; EIRES Lunch Lecture series; Future Everyday Colloquium series; University of Ghana / Oulu / TU/e Persuasive Technology lecture series; paper-writing workshop for Health and Seamless squads.

**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 was 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; Guest lectures for Responsive Mobile Environments

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

**Oslo Metropolitan University, 2022—**

Lectures and workshops as part of Master's course for IMAGINE project, paralleling activities I am running at TU/e.

**Masaryk University, Brno and Prague, Czechia, 2021, 2022**

Lectures and workshops (online and in person) for Transition Design seminar series and Transition Design Education conference

**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; 2021**

Guest lecturer for Speculative and Critical Design Summer School, 2016, and video lecture for MA Interaction Design Communication, 2018; panellist for MA User Experience 'Being Here: Materialising Experiences' symposium, 2021.

**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**

International Conference on Design Futures (Global Design Futures Network), Milan / Tsinghua / online, 2022

Lecture (invited) on imaginaries and futures literacy in design education

EPFL-ECAL Lab, Lausanne, Switzerland, 2022

Guest workshop (invited) on publishing for design students

Columbia University, New York, 2022

Guest workshop (invited, remote), Graduate School of Architecture, Planning and Preservation TechSHOPS programme

Utrecht University, Netherlands, 2022

Contribution (invited) to Transformative Research PhD course

KAIST, Daejeon, South Korea, 2021

Guest speaker (invited, remote), 1st Qualitative Interfaces symposium

Vassar College, Poughkeepsie, New York, 2021

Guest speaker and workshop leader (invited, remote), Creative Arts Across

the Disciplines programme

**Northeastern University, Boston, MA, 2021**

Guest speaker (invited, remote), Center for Design conversation on Physical Life of Data

**Institute of Advanced Design Studies, Budapest, 2020**

Guest speaker and workshop leader (invited, remote)

**12th International Conference on Social Robotics, Colorado, 2020**

Keynote speaker for workshop 'Metaphors for Human-Robot Interactions' (invited, remote)

**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)

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

**PhD completions as committee member, Dutch system**

Daphne Menheere, Eindhoven University of Technology, Industrial Design, completed 2021.

'The Exercise Intention-Behavior Gap: Lowering the Barriers through Interaction Design'.  
Committee: Steven Vos, Carine Lallemand, Mathias Funk, Jodi Forlizzi, Teresa Almeida, Erik van der Spek, Dan Lockton.

## **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

**Takee 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 / committee membership**

**Megan Urban**, Carnegie Mellon University, Design. Intended completion 2023

'Tree-centered design'. Committee: Dan Lockton, Noah Theriault, Jonathan Chapman

**Andrew Twigg**, Carnegie Mellon University, Design. Intended completion 2023

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

**Dave Pao**, Royal College of Art, Innovation Design Engineering. Intended completion 2023

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

### **External PhD examining (other than committee membership)**

**Gill Wildman**, RMIT University / RMIT Europe, Barcelona, Spain, 2021

‘On Tradecraft: The practice of Strategic Design and the role of Trickster’.

**Lucy Chamberlin**, NTNU, Trondheim, Norway, 2021

‘Redesigning Consumption for a Circular Economy’.

**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’.

### **External PhD interim examining**

**June Kyong Trondsen**, NTNU, Trondheim, Norway, 2022

**Iohanna Nicenboim**, TU Delft, Netherlands, 2020

### **PhD admissions and review**

Chair of External PhD admissions Committee for Oslo Metropolitan University, Consumption Research Norway and Institute for Product Design, Oslo, Norway, 2021–22

PhD admissions committee member, Carnegie Mellon School of Design, 2018–20

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.

### **Master’s thesis / final project completions as advisor**

**Olaf Adan**, Eindhoven University of Technology, Industrial Design, completed 2022. ‘Tangible Conversing; Exploring Physicalization of Conversational Content’. Coach: Dan Lockton.

**Nandini Nair**, Carnegie Mellon University, Design, completed 2022. ‘Designing Systems for Solidarity and Mutuality’. Advisors: Dan Lockton, Molly Wright Steenson.

**Sanika Sahasrabudde**, Carnegie Mellon University, Design, completed 2021. ‘Plause: A design probe for collective futuring of work’. Advisors: Dan Lockton, Molly Wright Steenson.

**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.

### **Undergraduate thesis / final project completions as advisor /coach**

**Max Crutzen**, Eindhoven University of Technology, Industrial Design, completed 2023. 'Bits and Pieces' (New Futures squad). Coach: Dan Lockton.

**Hanna van Rixtel**, Eindhoven University of Technology, Industrial Design, completed 2022. 'Data Door' (New Futures squad). Coach: Dan Lockton.

**Joris Lodewijks**, Eindhoven University of Technology, Industrial Design, completed 2022. 'AtHome' (New Futures squad). Coach: Dan Lockton.

**Noah Poulssen**, Eindhoven University of Technology, Industrial Design, completed 2022. 'Hermes' (New Futures squad). Coach: Dan Lockton.

**Marijn Stijvers**, Eindhoven University of Technology, Industrial Design, completed 2021. 'Popper' (Seamless Interaction Design squad). Coach: Dan Lockton.

**Emmy Meijer**, Eindhoven University of Technology, Industrial Design, completed 2021. 'Lumibeetle' (Seamless Interaction Design squad). Coach: Dan Lockton.

**Michael Powell**, Carnegie Mellon University, Architecture, completed 2020. 'Too little / too much: Looking at existing sensory therapy practices to inform spatial experience'. 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

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## **Professional service and esteem**

### **External Examiner for degree programmes**

—Brunel Design School, **Brunel University London**, UK, 2022–27, external examiner for all BSc/BA/MDes programmes in Design

### **Board member of academic societies**

—**Design Research Society**, Executive Board member (trustee) and Honorary Secretary, 2022–

—Design Research Society, International Advisory Council, elected member, 2020–2025

—Design Research Society, chair of digital library working group, 2022–

### **Grant and project reviewer/evaluator**

—Centre for Unusual Collaborations, sounding board member and grant reviewer, University of Utrecht, 2021–

—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; 2021

—RCUK Sustainable Society Network+ (UK), 2014

—Fond National de la Recherche (Luxembourg), 2014

### **Committee work and professional activity**

—Invited participant, Dagstuhl Seminar 23042 'Quality of Sustainable Experience', January 2023, and 23092 'A Human-Computer Interaction Perspective to Drive Change towards Sustainable Future', February 2023, Leibniz-Zentrum für Informatik

## Germany

- 4TU Design United, Dutch Design Week 2022 and 2023, organising team member, TU/e lead for ‘Futuring’ theme 2022
- Design Research Society DRS 2022, Bilbao, Chair of programme committee, and theme tracks coordinator; track chair for ‘Valuing the Qualitative’ track.
- 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.
- Brunel Design School, Brunel University London, advisory board, March 2021–
- Low Carbon Design Institute, advisory board, August 2020–
- Plurality University Network, Paris, founding member, 2018; participatory futuring methods steering committee member 2021–
- ACM C&C (Creativity & Cognition) 2022, Workshops and tutorials 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
- Sketch Model at Olin College Summer workshop (Mellon Foundation) selected participant, June 2018.
- 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*, *ASME Journal (American Society of Mechanical Engineers)*, *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, CHI 2021, CHI 2022, CHI 2023, DIS 2019, DIS 2020; DIS 2021, DIS 2022, RTD 2017; Ubicomp 2014, DRS 2014, DRS 2016, DRS 2018, DRS 2020, DRS 2022, C&C 2021, C&C 2022, 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**

—Evaluator for TU/e Postdoc Association Best Paper Awards, 2021

—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

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### **Grants, contracts, and financial awards**

Co-principal Investigator, project co-lead, 'Playing With The Trouble 2: A travelling library for transformative play', January 2023, Centre for Unusual Collaborations (EWUU Alliantie) grant: **€180,000**

Member of team, 4TU Design United Probe grant for 'Dream Sequencer', December 2022, TU Delft: **€2,000**

Principal Investigator, project lead, 'Playing With The Trouble 1: Games as a method for transformative collaborations', January 2022, Centre for Unusual Collaborations (EWUU Alliantie) grant: **€180,000**

Principal Investigator for TU/e, 'IMAGINE: Contested Futures of Sustainability', Research Council of Norway, led by OsloMet, June 2021: 13,744,000 NOK (**€1.35 million** approx) of which TU/e approx **€100,000**

Principal Investigator, 'New Interfaces for Understanding AI', September 2021, PhD studentship from Eindhoven AI Systems Institute: **€250,000**

Investigator for TU/e, 'Game Your Way Through', October 2021, Centre for Unusual Collaborations (EWUU Alliantie) SPARK grant, led by Wageningen University & Research: **€9,000**

TU Eindhoven start-up award, June 2021: **€15,000**

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', Frank-Ratchye Fund for Art and the Frontier, 2020: **\$2,500**

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**

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, 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**

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

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

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



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## Other awards and fellowships

Fellow, Centre for Unusual Collaborations, Utrecht, 2022–  
ACM Designing Interactive Systems (DIS 2022). Best Pictorial Award  
Maker Faire Pittsburgh, Maker of Merit awards (x2) for Electric Acoustic project (with Devika Singh and Shengzhi Wu), October 2017  
Berlin Writing Prize, longlist, August 2017  
British Computer Society, Best Short Paper Award, HCI 2013  
Hamilton Prize for best PhD in Engineering & Design, Brunel University, 2013  
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  
Judge Institute of Management, University of Cambridge, Examiners' Letter of Commendation for MPhil thesis, 2005

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## Industry and public knowledge exchange

4TU Design United Transitions: Futuring event lead organiser from TU/e, and contribution to main Design United expo at Dutch Design Week 2022, Eindhoven  
Design Council 'Design for Planet' initiative, closing panel at RSD Symposium 2022, Brighton, on systemic design education  
Beyond the Visual. Hearing Data Between Science and Emotion, 2022 (MEET Cultural Centre, Milan / Centre for Design, Northeastern University / TU Delft Critical Alarms Lab), talk 'Considering the Qualitative'  
EWUU Alliance Annual Conference, 2022, interview/panel, 'Playing With The Trouble'  
Southend-on-Sea Borough Council Net Zero project, UK, 2022, talk 'Design and imagination for communities and climate'  
London Design Biennale Summit (Chatham House / Het Nieuwe Instituut), 2022, talk 'Reimagining Collaboration Towards Sustainability'  
European Foundation Centre, Annual Conference, 2021, talk and panel discussion on collective imagination, design, and futuring  
UNTITLED Festival, 2021, Heat Resilient Cities 2039, experiential futures workshop for Demos Helsinki partner alliance (with Juli Sikorska and Francesca Desmarais)  
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

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## Publications

Google Scholar profile:

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

Citations: 2790; h-index 23  
(9 February 2023)

## Academic & practitioner journal articles

Lockton, D. (2023, forthcoming). Speculations, Side-effects, and Side-shows: Embedding Futures into 'Research Through Design' education. *Journal of Futures Studies*.

Read, G.J.M., Madeira-Revell, K.M.A., Parnell, K.J., Lockton, D., Salmon, P.M. (2021). Using human factors and ergonomics methods to challenge the status quo: Designing for gender equitable research outcomes. *Applied Ergonomics*, 99, article 103634, <https://doi.org/10.1016/j.apergo.2021.103634>.

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**

Best pictorial award at  
DIS 2022

Daragh Byrne, Dan Lockton, Meijie Hu, Miranda Luong, Anuprita Ranade, Karen Escarcha, Katherine Giesa, Yiwei Huang, Catherine Yochum, Gordon Robertson, Lisa (Yip Yan) Yeung, Matthew Cruz, Christi Danner, Elizabeth Wang, Malika Khurana, Zhenfang Chen, Alexander Heyison, Yixiao Fu (2022). *Spooky Technology: The ethereal and otherworldly as a resource for design*. DIS 2022: ACM Conference on Designing Interactive Systems.

Welch, D., Heidenstrøm, N., Lockton, D. (2022). *Towards a conceptual framework for contested imaginaries of sustainability*. *Anticipation 22: 4th International Conference on Anticipation*

Olaf V. Adan, Dan Lockton, Steven Houben. (2022). *Participatory*

Sensemaking Through Visualising Conversations. RSD11: Relating Systems Thinking and Design Symposium.

Lockton, D. (2022). Exploring Bateson's Syllogism in Grass in Systemic Design. RSD11: Relating Systems Thinking and Design Symposium, Brighton.

Lockton, D., Lallemand, C., Menheere, D. (2022). Designing Qualitative Interfaces: Experiences from Studio Education. DRS 2022: Design Research Society, Bilbao.

Murray-Rust, D., Nicenboim, I., Lockton, D. (2022). Metaphors for Designers working with AI. DRS 2022: Design Research Society, Bilbao.

Menheere, D., Lockton, D., Lee, C.H., Lean, M., Lallemand, C., Offenhuber, D., Robbins, H., Giaccardi, E., Huron., S. (2022). Editorial: Valuing the qualitative in design and data. DRS 2022: Design Research Society, Bilbao.

Lockton, D. (2021). Metaphors and Systems. RSD10: Relating Systems Thinking and Design Symposium, Delft

Alves-Oliveira, P., Lupetti, M.L., Luria, M., Löffler, D., Gamboa, M., Albaugh, L., Kamino, W., Ostrowski, A.K., Puljiz, D., Reynolds-Cuéllar, P., Scheunemann, M., Suguitan, M., Lockton, D. (2021). 'Collection of Metaphors for Human-Robot Interaction'. DIS 2021: ACM Conference on Designing Interactive Systems, June 2021, 1366–1379.

Reddy, A., Kocaballi, A.B., Nicenboim, I., Juul Søndergaard, M.L., Lupetti, M.L., Key, C., Speed, C., Lockton, D., Giaccardi, E., Grommé, F., Robbins, H., Primlani, N., Yurman, P., Sumartojo, S., Phan, T., Bedö, V., Strengers, Y., (2021). 'Making Everyday Things Talk: Speculative Conversations into the Future of Voice Interfaces at Home'. CHI EA 2021: Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems, May 2021.

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 Provotype: 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.

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Bendor, R., Lockton, D., Matos-Castaño, J., Kim, Y. (2032). Dream Sequencer. Highlight Delft Festival, February 2023.

Bendor, R., Lockton, D., Matos-Castaño, J., Mereuta, I., Blockzijl, J., Kim,

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- Lockton, D. (2021). Remembrance Service: Everyday experiences and ephemera(lity) of petrol stations. Art of Energy Galleries, Centre for Energy Ethics, St Andrews.
- Lockton, D., Ricketts, D., Zea-Wolfson, T., Brawley, L., Fass, J., Forlano, L., Aguirre Ulloa, M. (2021). Imagination Landscapes. Drivers of Change, Dutch Design Week 2021.
- 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. (2020). Imaginaries of Climate Pathways, Columbia University Local Project Challenge, UN HABITAT World Urban Forum 10, Abi Dhabi.
- Mills, U., Brown, J., and Lockton, D. (2019). Materialising Mental Health, Mozilla Festival, Ravensbourne, London.
- Bose, G., Brennan, E., Burgess, C., Huang, M., and Lockton, D. (2018). Where Are the Humans in AI?, Future Perfect, Data & Society Research Institute, New York.
- Wu, S., Singh, D., and Lockton, D. (2017). Electric Acoustic, Pittsburgh Maker Faire.
- Ansari, A., Zaidi, M.Z., Zuby, Z. and Lockton, D. (2016). Guftugu, Climactic: Post-Normal Design, Miller Gallery, Carnegie Mellon University, Pittsburgh.
- Lockton, D. and Bowden, F. (2014). Powerchord, Human in the Loop, TU Delft.
- Bowden, F. and Lockton, D. (2014). Drawing Energy and Powerchord, Digital Design Weekend, Victoria & Albert Museum, London.
- Bowden, F. and Lockton, D. (2014). Drawing Energy and Powerchord, Breaking Through, Helen Hamlyn Centre for Design, Royal College of Art, London.
- Greene, C., Reader, M., Lockton, D., Ramster, G., Outten, A., & Raby, E. (2014). Telling Stories. The Mill, Walthamstow, London.
- Bowden, F. and Lockton, D. (2013). People, Energy and Everyday Life, Life Examined, Helen Hamlyn Centre for Design, Royal College of Art, London.
- Phillips, R. and Lockton, D. (2012). Making Instructions for Others, Brighton Mini Maker Faire.

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