

# ELIZABETH SHOVE

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## Curriculum Vitae

### CURRENT AND PAST POSTS

#### Employment

2020-	Distinguished Professor, Department of Sociology, Lancaster University
2005-2020	Professor, Department of Sociology, Lancaster University (Director of DEMAND 2013-18)
2003-2005	Reader, Department of Sociology, Lancaster University
2000 -2003	Senior Lecturer, Department of Sociology, Lancaster University
1998 -2000	Director, Centre for Science Studies, Lancaster University
1995 -1998	Deputy Director, Centre for the Study of Environmental Change, Lancaster University
1995	Reader, Social and International Studies, University of Sunderland
1992 -1995	Senior Lecturer, Social and International Studies, University of Sunderland
1985 -1992	Research Fellow, Institute of Advanced Architectural Studies, University of York

#### Fellowships

2019	Elected as a Fellow of the British Academy
2008-2012	ESRC Climate Change Leadership Fellowship
2001	Leverhulme Research Fellow

#### Visiting positions

2020-2022	University of Helsinki, Visiting Professor, Centre for Consumer Society Research
2015 (March)	Institute for Advanced Studies, Vienna, Austria
2012 (February)	Institute for Advanced Studies, Vienna, Austria
2009 -2012	Adjunct Professor, RMIT, Melbourne, Australia
2009 (Feb-March)	Visiting Professor, RMIT and Swinburne University, Melbourne, Australia
2008 (Feb-April)	Otto Monsted Guest Professor, Danish Technical University, Denmark
2006 (Feb-March)	Visiting Professor, IAE University of Toulouse, France
2004 (Jan-March)	Visiting Research Fellow, Said Business School, University of Oxford
2003 (Oct-Nov)	Visiting Lecturer, Helsinki School of Economics and Visiting Senior Research Fellow, National Consumer Research Centre, Helsinki, Finland
2001 (March-April)	Visiting Scientist, Lawrence Berkeley National Laboratory, California, USA
2000 – 2005	Honorary Research Fellow, Centre for Research in Innovation and Competition, Manchester University

### ACADEMIC QUALIFICATIONS

1981	BA (Hons) Sociology 2(i), University of York
1986	D.Phil., Department of Sociology, University of York

#### Research Students

While at Lancaster I have set up 11 funded CASE studentships and three sponsored studentships. Of the 33 PhD students I have supervised at Lancaster, 29 have completed within four years (four withdrew). I am currently supervising 4 PhD students.

#### Current PhD Students

Charlie Southerton, Hannah Stoddart, Michael Greenhough, Robert Jones

#### Publications

##### Books

Rinkinen, J., Shove, E., and Marsden, G. (2020) *Conceptualising Demand: Distinctive approaches to consumption and practice*. London: Routledge.

Rinkinen, J., Shove, E. and Torriti, J. (Eds) (2019) *Energy Fables: challenging ideas in the energy sector*.

Shove, E. and Trentmann, F. (Eds) (2018) *Infrastructures in Practice: the dynamics of demand in networked societies*. London: Routledge.

Hui, A. Shove, E. and Schatzki, T. (Eds) (2017) *The Nexus of Practices: Connections, constellations, practitioners*, London: Routledge.

Shove, E. and Spurling, N. (Eds) (2013) *Sustainable Practices: Social theory and climate change*, London: Routledge, 208 pages

Shove, E., Pantzar, M. and Watson, M. (2012), *The Dynamics of Social Practice: Everyday life and how it changes*, London: Sage. 240 pages

Shove, E., Trentmann, F., and Wilk, R. (Eds). (2009) *Time, Consumption and Everyday Life*, Oxford: Berg. 236 pages.

Shove, E., Chappells, H., and Lutzenhiser, L. (Eds) (2009) *Comfort in a Lower Carbon Society*, London: Routledge. 160 pages.

Shove, E., Watson, M., Hand, M. and Ingram, J. (2007) *The Design of Everyday Life*, Oxford: Berg. 174 pages.

Van Vliet, B., Chappells, H. and Shove, E., (2005) *Infrastructures of Consumption: Restructuring the Utility Industries*, London: Earthscan. 160 pages.

Pantzar, M. and Shove, E. (Eds), (2005) *Manufacturing Leisure*, Helsinki: NCRC. 270 pages.  
[http://www.ncrc.fi/files/4717/2005\\_01\\_publications\\_manufacturingleisure.pdf](http://www.ncrc.fi/files/4717/2005_01_publications_manufacturingleisure.pdf)

Shove, E. (2003) *Comfort, Cleanliness and Convenience: the Social Organization of Normality*, Oxford: Berg. 221 pages.

Redclift, M., Shove, E., van der Meulen, B. and Raman, S., (2000) *Social Environmental Research in the European Union: Research networks and new agendas*, Cheltenham: Elgar. 142 pages.

Guy, S. and Shove, E. (2000) *A Sociology of Energy, Buildings and the Environment: Constructing Knowledge, Designing Practice*, London: Routledge. 164 pages.

### Journal articles

Blue, S., Forman, P., and Shove, E., (2021) "Flexibilities in energy supply and demand: Legacies and lessons from the past", *Journal of Energy History/Revue d'Histoire de l'Énergie* [Online], n°5, 05 May 2021: <https://www.energyhistory.eu/en/special-issue/flexibilities-energy-supply-and-demand-legacies-and-lessons-past> Introduction to special issue, edited by S. Blue, P. Forman and E. Shove 'Historicizing Flexibility'.

Blue, S., Shove, E., and Kelly, M. P. (2021). Obese societies: Reconceptualising the challenge for public health. *Sociology of Health and Illness*. DOI: 10.1111/1467-9566.13275, p1-17.  
<https://onlinelibrary.wiley.com/doi/epdf/10.1111/1467-9566.13275>

Rinkinen, J., Shove, E., & Smits, M. (2021). Conceptualising urban density, energy demand and social practice. *Buildings and Cities*, 2(1), pp. 79–91. DOI: <https://doi.org/10.5334/bc.72>

Shove, E. (2020) 'Time to rethink energy research' *Nature Energy* November 2020.  
<http://dx.doi.org/10.1038/s41560-020-00739-9>

Shove, E. (2020) Why social theory is important for energy research and the built environment, *Buildings and Cities*. Research Legacy, September 2020. Available at:  
<https://www.buildingsandcities.org/insights/commentaries/social-theory-energy.html>

Blue, S., Shove, E. and Forman, P. (2020) 'Conceptualising Flexibility: Representations of Time and Society in the Energy Sector', *Time and Society*. <https://doi.org/10.1177/0961463X20905479>

Royston, Sarah, Selby, Jan and Shove, Elizabeth (2018) 'Invisible energy policies: a new agenda for energy demand reduction'. *Energy Policy*, 123. pp. 127-135.

Cass, N., Schwanen, T. and Shove E. (2018). "Infrastructures, intersections and societal transformations." *Technological Forecasting and Social Change* 137: 160-167.

Cass, N. and Shove, E. (2018) 'Standards? Whose standards?', *Architectural Science Review*, 61:5, 272-279.

Shove, E. (2017). "What is wrong with energy efficiency?" *Building Research & Information*: 1-11.

Rinkinen, J., Shove, E., & Smits, M. (2017). Cold chains in Hanoi and Bangkok: Changing systems of provision and practice. *Journal of Consumer Culture*. <https://doi.org/10.1177/1469540517717783>

Blue, S. Shove, E., Carmona, C. and Kelly, M. P., (2016) 'Theories of practice and public health: understanding (un)healthy practices', *Critical Public Health*, 26(1)36-50.

Shove, E., Watson, M. and Spurling, N. (2015) 'Conceptualising connections: Energy demand, infrastructures and social practices' *European Journal of Social Theory*, 18(3) 274-287.

Rinkinen, J., Jalas, M. and Shove, E. (2015) 'Object Relations in Accounts of Everyday Life' *Sociology* 49(5): 870-885.

Newell, P., Bulkeley, H., Turner, K., Shaw, C., Caney, S., Shove, E., and Pigeon, N. (2015) 'Governance traps in climate change politics: re-framing the debate in terms of responsibilities and rights.' *Wiley Interdisciplinary Reviews: Climate Change* 6(6): 535-540.

Shove, E. Walker, G. and Brown, S. (2014) 'Material culture, room temperature and the social organisation of thermal energy' *Journal of Material Culture*, 19(2): 113-124

Shove, E. (2014) 'On the design of everyday life', in *Tecnoscienza, Italian Journal of science and technology studies*, 5(2): 33-42.

Shove, E. and Walker, G. (2014) 'What Is Energy For? Social Practice and Energy Demand', *Theory, Culture & Society* 31: 41-58.

Walker, G., Shove, E., Brown, S. (2014). 'How does air conditioning become 'needed'? A case study of routes, rationales and dynamics.' *Energy Research & Social Science* 4: 1-9

Shove, E., Walker, G. and Brown, S. (2013) Transnational Transitions: The Diffusion and Integration of Mechanical Cooling, *Urban Studies*, 51 (7): 1506-1515. (

Shove, E. (2012) 'Putting practice into policy: reconfiguring questions of consumption and climate change.' *Contemporary Social Science*: 9 (4): 415-429.

Shove, E. (2012) 'The shadowy side of innovation: unmaking and sustainability', *Technology Analysis and Strategic Management*, 24(4): 345-362.

Chappells, H., Medd, W. And Shove, E. (2011) 'Disruption and change: drought and the inconspicuous dynamics of garden lives' *Social & Cultural Geography* 12 (7): 701-715.

Shove, E. (2011) 'On the difference between chalk and cheese—a response to Whitmarsh et al's comments on 'Beyond the ABC: climate change policy and theories of social change''. *Environment and Planning A*. 43 (2): 262-264.

Pantzar, M. and Shove, E. (2010), 'Temporal rhythms as outcomes of social practices: a speculative discussion', *Ethnologia Europaea* 40(1): 19-29.

Shove, E. (2010) 'Beyond the ABC: climate change policy and theories of social change', *Environment and Planning A*. 42 (6): 1273-1285.

Shove, E. (2010) 'Social theory and climate change: questions often, sometimes and not yet asked', *Theory Culture and Society*, 27 (2-3): 277-288.

Pantzar, M. and Shove, E. (2010), 'Towards a theory of practice innovations: a discussion of the production and reproduction of Nordic Walking', *Technology Analysis and Strategic Management*, 22(4): 447-461.

Shove, E. and Walker, G. (2010) 'Governing Transitions in the Sustainability of Everyday Life' *Research Policy*. 39 (4): 471-476.

Shove, E. and Walker, G. (2008) 'Transition management and the politics of shape shifting' *Environment and Planning A* 40: 1012-1014.

Watson, M. and Shove, E. (2008) 'Product, competence, project and practice: DIY and the dynamics of craft consumption' in the *Journal of Consumer Culture* 8(1): 69-89.

Garrow, D. and Shove, E. (2007) 'Artefacts between disciplines. The Toothbrush and the Axe' Discussion article. *Archaeological Dialogues*, 14(2): 117-131.

Walker, G. and Shove, E. (2007) 'Ambivalence, Sustainability and the Governance of Socio-Technical Systems', *Journal of Environmental Policy and Planning*, 9(3-4): 213-225.

Shove, E. and Walker, G. (2007) 'Caution! Transitions ahead: politics, practice and sustainable transition management', *Environment and Planning A*, 39(4) 763-770.

Shove, E. and Pantzar, M. (2007) 'Recruitment and reproduction: the careers and carriers of digital photography and floorball' *Journal of Human Affairs*, 17: 154-167.

Hand, M., Shove, E., and Southerton, D. (2007)'Home extensions in the United Kingdom: space, time, and practice' *Environment and Planning D: Society and Space* 25(4): 668-681

Shove, E., Watson, M. and Ingram, J. (2007) 'Products and practices: selected concepts from science and technology studies and from social theories of consumption and practice', *Design Issues*, 23(2): 3-16

Hand, M. and Shove, E. '(2007) Condensing Practices' *Journal of Consumer Culture*, 7(1): 79-104.

Shove, E. and Pantzar, M. (2006) 'Fossilisation', *Ethnologia Europaea: Journal of European Ethnology*, 35:1-2: 59-63.

Shove, E. and Southerton, D. (2006) Mrazák dobré rozmrazený: Od novosti k pohodlí (průběh normalizace) [translation of: Defrosting the freezer: From novelty to convenience (A narrative of normalization - 2000)]. *Biograf* (39): 49 paragraphs. <http://www.biograf.org/clanky/clanek.php?clanek=3901>

Hand, M., Shove, E. and Southerton, D. (2005) 'Explaining showering: a discussion of the material, conventional and temporal dimensions of practice', *Sociological Research Online*. 10(2): <http://www.socresonline.org.uk/10/2/hand.htm>.

Cass, N., Shove, E., and Urry, J. (2005) 'Social exclusion, mobility and access', *Sociological Review* 53(3): 539-556.

Shove, E., and Pantzar, M. (2005) 'Consumers, producers and practices: understanding the invention and reinvention of Nordic Walking' *Journal of Consumer Culture*, 5(1): 43-64.

Chappells, H., and Shove, E. (2005) 'Debating the future of comfort: environmental sustainability, energy consumption and the indoor environment' *Building Research and Information*, 33(1): 32-40.

Shove, E. (2004) 'Efficiency and Consumption: Technology and Practice', *Energy and Environment*, 15(6): 1053-1065.

Hand, M. and Shove, E. (2004) 'Orchestrating Concepts: Kitchen Dynamics and Regime Change in *Good Housekeeping* and *Ideal Home* 1922-2002' *Home Cultures*, 1(3): 235-256.

Shove, E., (2003) 'Converging conventions of comfort, cleanliness and convenience' *Journal of Consumer Policy*, 26(4) 395-418.

Shove, E., (2003) 'Principals, Agents, Actors and Research Programmes', *Science and Public Policy*, 30(5) 371-381.

Shove, E., (2003) 'Users, technologies and expectations of comfort, cleanliness and convenience' *Innovation*. Special issue on users and design edited by H. Rohracher and J. Jelsma. 16(2):193-207.

Southerton, D., Shove, E., Warde, A. and Deem, R., (2001) 'The Social Worlds of Caravanning: Objects, Scripts and Practices', in *Sociological Research Online*, 6(2) <<http://www.socresonline.org.uk/6/2/southerton.html>>

Shove, E. and Southerton, D., (2000) 'Defrosting the Freezer: from Novelty to Convenience', *Journal of Material Culture*, 5(3): 301-319.

Shove, E. and Rip, A., (2000) 'Users and Unicorns: a discussion of mythical beasts in interactive science', *Science and Public Policy*, 27(3) June 2000: 175-182

Shove, E. and Caswill, C. (2000) 'Introducing Interactive Social Science', *Science and Public Policy Special Issue on Interactive Social Science*, 27 (3) June 2000: 152-157.

Shove, E. and Caswill, C. (2000) 'Postscript', *Science and Public Policy Special Issue on Interactive Social Science*, 27 (3) June 2000: 220-222.

Chappells, H. and Shove, E. (1999) 'The Dustbin: A study of domestic waste, household practices and utility services', *International Planning Studies*, 4 (2): 267-280.

Lutzenhiser, L. and Shove, E. (1999) 'Contracting Knowledge: the organizational limits to interdisciplinary energy research and development in the US and the UK', *Energy Policy*, 27(4): 217-227.

Shove, E., (1999) 'Gaps Barriers and Conceptual Chasms: Theories of Technology Transfer and Energy in Buildings', *Energy Policy*, 26: 1105-1112.

Shove, E., (1998) 'Relevance, Independence and Capture', *Building Research and Information: The International Journal of Research, Development, Demonstration and Innovation*, 26(6): 386-389.

Shove, E.,(1998) 'Designers as Consumers and Consumers as Designers', in ARTTU! 5-6, Helsinki University of Art and Design.

Shove, E. and Simmons, P. (1997) 'Research contexts and policy knowledge: linking social science research and environmental policy', *Science and Public Policy*, 24(4): 214-222.

### Book chapters

In total I have published 40 book chapters, the more recent of which are listed below.

Shove, E. (2018) 'Working Materials' in Jensen, O., Kesselring, S. and Sheller, M. *Mobilities and Complexities* Routledge.

Shove, E, Trentmann, F. and Watson, M. (2018) 'Introduction – infrastructures in practice: The evolution of demand in networked societies' in Shove, E. and Trentmann, F. *Infrastructures in Practice: the dynamics of demand in networked societies*. London. Routledge. 3-10.

Coutard, O. and Shove, E. (2018) 'Infrastructures, Practices and the Dynamics of Demand' in Shove, E. and Trentmann, F. *Infrastructures in Practice: the dynamics of demand in networked societies*. London. Routledge. 10-23.

Shove, E., Watson, M. and Trentmann, F. (2018) 'Infrastructures in practice: Implications for the future' in Shove, E. and Trentmann, F. *Infrastructures in Practice: the dynamics of demand in networked societies*. London. Routledge. 210-217

Shove, E. and Walker, G. (2017) 'Fuelling Culture: Demand' contribution to Szeman, I., Wenzel, J., et al. (Eds) (2017). *Fueling Culture: 101 Words for Energy and Environment*, Fordham University Press.

Shove, E. (2017) 'Matters of Practice' in Hui, A., Schatzki, T. and Shove, E. (Eds) *The Nexus of Practices: Connections, constellations, practitioners*, London: Routledge. P155-168.

Hui, A., Schatzki, T. and Shove, E. (2017) 'Introduction' in Hui, A., Schatzki, T. and Shove, E. (Eds) *The Nexus of Practices: Connections, constellations, practitioners*, London: Routledge. P1-8.

Shove, E. and Blue, S. (2016) 'How social practices generate, carry and require knowledge and know-how' in Orr, K., Nutley, S., Russell, S., Bain, R., Hacking, B., and Moran, C. (Eds), *Knowledge and Practice in Business and Organisations*. London: Routledge. P217-219.

Shove, E. and Pantzar, M. (2016) 'Rekrutierung und Reproduktion: Karrieren und Träger von Digitalfotografie und Floorball' in Schäfer, H. (Ed.) *Praxistheorie: Ein soziologisches Forschungsprogramm*, Transcript Verlag: Bielefeld, p95-115

Shove, E. (2016) 'Infrastructures and practices: networks beyond the city', in Coutard, O. and Rutherford, J. (Eds), *Beyond the Networked city: infrastructure reconfigurations and urban change in the North and South* London: Routledge. P242-258.

Shove, E. (2015) 'Linking low carbon policy and social practice' in Strengers, Y. and Maller, C. (Eds), *Social Practices, Intervention and Sustainability: Beyond behaviour change*, London: Routledge. P31-45.

Wang, S. and Shove, E. (2014) 'How Rounders Goes around the World' in Thrift, N., Tickell, A., and Rupp, W. (Eds.) *Globalization in Practice*, Oxford: Oxford University Press. P202-206.

#### **Exhibitions, Extraordinary Lecture, Film**

2017 A series of five short videos explaining key ideas about DEMAND  
<https://www.youtube.com/watch?v=BwjRcquToyk&list=UUoFvReaGljq1cbIzwdKzSLg>

2016 A short film with other people in DEMAND: 'What is going on? there is a power cut'  
<http://www.demand.ac.uk/20/01/2016/reflections-on-the-lancaster-power-cuts-of-december-2015/>

2011 Designed, wrote, produced, organised and staged a hugely successful 'Extraordinary Lecture' and Exhibition of Ideas, British Library Conference Centre  
<http://www.lancaster.ac.uk/staff/shove/lecture/filmedlecture.htm>

#### **Online writing:**

##### *Articles in The Conversation:*

2015 Shove, E. and Watson, M. 28<sup>h</sup> April 'No more meters? Let's make energy a service, not a commodity'

2014 Morley, J. and Shove, E. 23 December , 'Size is everything at Christmas and your oven is no exception'  
 Shove, E. and Royston, S., 18 February, 'Smart meters don't make us any smarter about energy use'  
 Blue, S. and Shove, E. 25 November, 'Smoking, drinking and eating: public health should not be all about the individual.'

2013 Hui, A. and Shove, E. , 13 November, 'All this talk about lights hides bigger energy challenges'  
 Hui, A., Shove, E. and Walker, G. 24 October, 'School holiday shake up brings unintended consequences'

2012 Strengers, Y., Maller, C., Shove, E. and Walker, G., 15 November, 'Air conditioning is peaking out: time to rethink cool comfort.

##### *Other online writing*

Shove, E. March 2014, 'The history and future of room temperature' (Lancaster university blog).  
<http://www.lancaster.ac.uk/news/blogs/elizabeth-shove/the-history-and-future-of-room-temperature/>

Shove, E., December 2015, 'Where the power lies' (with Blue, S.); 'The pervasiveness of power' and 'When is the power really on': <http://www.demand.ac.uk/20/01/2016/reflections-on-the-lancaster-power-cuts-of-december-2015/>

#### **RESEARCH AWARDS AND CONTRACTS – since 2000**

2017 RCUK Energy programme, £690,000 for Lancaster's role in the CREDS Flexibility Theme.

2016 EPSRC additional funding for two EUED cross-centre projects, £40,000.

2013 Research Councils UK, Electricity de France (R&D), International Energy Agency and Transport for London £7.1 million in total (£4.95 million from RCUK/EDF, £2.15 million contribution in kind/institutional support), for the DEMAND research centre of which I am the PI.

2013 ESRC 'The Climate Crunch', award to promote the work of the 6 ESRC climate change leadership fellows (coordinated by Roger Street, Oxford)

2011 ESRC Festival of Social Science, £1,500 to run an exhibition and workshop, 'DAY 22', hosted by the Department of Energy and Climate Change. (PI)

2010 The Forge: Network and Summer Schools, with ITS Leeds. ESRC funded. (CoI)

2010 Sustainable Practices Research Group. £1.4 million funding (ESRC/Defra/Scottish Government) comes to Lancaster. (CoI)

2010 'TEMPOS – temporary spaces of innovation', subcontract from Prof. Ulrik Jorgensen, Danish Technical University. (£46,736) (CoI)

2010 UK Transport Research Centre – for my role as non -executive director (£27,958)

2008 ESRC Climate Change Leadership Fellowship (£390,426) (PI)

2007 ESRC Case studentship with industry co-funding (IDEO) (£68,000)

2007 Otto Monsted Distinguished Guest Professorship, DTU, Denmark (£13,487)

2007 ESRC seminar network- 'Time, Space and Life Course' (CoI)

2005 Enterprise Zone funding, Lancaster University (£15,000) (with Prof. Heathwaite)

2004 ESRC Cultures of Consumption Programme, 'Designing and Consuming: objects, practices, processes' (£183,598) (PI)

2004 UK Water Industry Research Association, 'A Sociology of Water' (£67,715) (PI)

2003 ESRC, 'Interactive Agenda Setting in the Social Sciences' (£52,000) (PI)

2002 ESRC Environment and Behaviour Programme. 'Future Comforts: Re-conditioning Urban Environments', (£40,000). (PI)

2002 Unilever Oral Care, 'Persuasive Technologies: the toothbrush' (£25,000). (PI)

2002 Sustainable Domestic Technologies, ESRC Sustainable Technologies Initiative. (£117,000). (CoI)

2001 Special Advisor to Transport for London: Monitoring the Social Impacts of Congestion Charging, consultancy. (£30,000).

2001 Department for Transport, Local Government and the Regions, 'Measuring Social-Spatial Inclusion and Exclusion and Changing Infrastructures, (£39,000). (PI)

2001 ESRC, 'Using Users in ESRC decision-making' (£3,000).

2000 Leverhulme Research Fellowship, Ordinary Consumption and Sustainability, (£16,500).

2000 EPSRC, 'Legal and Imposed Barriers to Standardisation of Building Services', led by BSRIA, (£15,000).

2000 European Science Foundation, funding for a Summer School on Consumption, Sustainability and Everyday Life, (£22,000). (PI)

2000 Department for Environment, Transport and the Regions, 'A study to investigate the impacts of road user charging and the work place parking levy on social inclusion/exclusion,' (£2,000) (PI)

#### **Editorial board memberships**

*Buildings and Cities* 2019 –

*Building Research and Information*, 2014-2018

*Energy research and social science*, 2013-

*Environment and Planning A* 2003 – 2012

*Journal of Home Cultures* 2003-

#### **Examining**

- Examiner for PhD theses at: Delft; Edinburgh; LUMS; Lancaster (Public health); Copenhagen Business School; University College London; University of Manchester; Paris Nanterre; University of Helsinki.
- External Examiner, 2008-2011 London School of Economics, for MSc in Culture and Society, Political Sociology, Sociology, and Race, Ethnicity and post-colonial studies.
- External Examiner, 1999 – 2002, University of Surrey, for MAs in Social Research Methods and Social Research Methods and Environmental Sociology.