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## Personal Statement

I joined the University of Strathclyde in 2019 as a Chancellor's Fellow working jointly between the Departments of Government & Public Policy and Electronic & Electrical Engineering. I am also the Research Director of the UK's Energy Revolution Research Consortium (EnergyREV). Prior to this I held positions at the University of Oxford, the University of Otago in New Zealand (where I served as Deputy Director of their Centre for Sustainability) and at Victoria University of Wellington.

My research explores how people interact with energy systems, and how social, environmental, and technological insights can be co-developed to better inform policy for sustainable development. I take a multidisciplinary approach to my work, and believe in the importance of research for impact, and in bridging the gap between different forms of knowledge to advance solutions tackling climate change.

## Research outputs

### **Are we seeing clearly? The need for aligned vision and supporting strategies to deliver net-zero electricity systems**

Ford, R. & Hardy, J., 17 Sep 2020, In : Energy Policy. 147, 111902.

### **Easy or arduous? Practices, perceptions and networks driving lighting transitions from kerosene to solar in Vanuatu**

Walton, S. & Ford, R., 31 Jul 2020, In : Energy Research and Social Science. 65, 10 p., 101449.

### **Detailed comparison of energy-related time-use diaries and monitored residential electricity demand**

Suomalainen, K., Eysers, D., Ford, R., Stephenson, J., Anderson, B. & Jack, M., 15 Jan 2019, In : Energy and Buildings. 183, p. 418-427 10 p.

### **Understanding the path to smart home adoption: segmenting and describing consumers across the innovation-decision process**

Sanguinetti, A., Karlin, B. & Ford, R., 31 Dec 2018, In : Energy Research and Social Science. 46, p. 274-283 10 p.

### **What's energy management got to do with it? Exploring the role of energy management in the smart home adoption process**

Sanguinetti, A., Karlin, B., Ford, R., Salmon, K. & Dombrovski, K., 31 Oct 2018, In : Energy Efficiency. 11, 7, p. 1897-1911 15 p.

### **Reaching a 1.5°C target: socio-technical challenges for a rapid transition to low carbon electricity systems**

Eyre, N., Darby, S. J., Grünewald, P., McKenna, E. & Ford, R., 2 Apr 2018, In : Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences. 376, 2119, 15 p., 20160462.

### **Smart grid research in New Zealand - a review from the GREEN Grid research programme**

Stephenson, J., Ford, R., Nair, N-K., Watson, N., Wood, A. & Miller, A., 28 Feb 2018, In : Renewable and Sustainable Energy Reviews . 82, Part 1, p. 1636-1645 10 p.

### **Categories and functionality of smart home technology for energy management**

Ford, R., Pritoni, M., Sanguinetti, A. & Karlin, B., 31 Oct 2017, In : Building and Environment. 123, p. 543-554 12 p.

### **Comparative analysis of monitored and self-reported data on electricity use**

Suomalainen, K., Jack, M., Byers, D., Ford, R. & Stephenson, J., 13 Jul 2017. 4 p.

### **Emerging energy transitions: PV uptake beyond subsidies**

Ford, R., Walton, S., Stephenson, J., Rees, D., Scott, M., King, G., Williams, J. & Wooliscroft, B., 30 Apr 2017, In : Technological Forecasting and Social Change. 117, p. 138-150 13 p.

### **Evaluating the impact of energy interventions: home audits vs. community events**

Scott, M. G., McCarthy, A., Ford, R., Stephenson, J. & Gorrie, S., 31 Dec 2016, In : Energy Efficiency. 9, 6, p. 1221–1240 20 p.

### **The effects of feedback on energy conservation: a meta-analysis**

Karlin, B., Zinger, J. & Ford, R., 30 Nov 2015, In : Psychological Bulletin. 141, 6, p. 1205-1227 23 p.

### **The energy cultures framework: exploring the role of norms, practices and material culture in shaping energy behaviour in New Zealand**

Stephenson, J., Barton, B., Carrington, G., Doering, A., Ford, R., Hopkins, D., Lawson, R., McCarthy, A., Rees, D., Scott, M., Thorsnes, P., Walton, S., Williams, J. & Wooliscroft, B., 31 May 2015, In : Energy Research and Social Science. 7, p. 117-123 7 p.

### **Energy feedback technology: a review and taxonomy of products and platforms**

Karlin, B., Ford, R. & Squires, C., 30 Jun 2014, In : Energy Efficiency. 7, 3, p. 377–399 23 p.

## **Awards and Research Grants**

|            |  |
|------------|--|
| 2018-2022  | Co-I, Energy Revolution Research Consortium, funding from UKRI, £9.8m  |
| 2012-2018  | Renewable Energy and the Smart Grid, funded by the New Zealand Ministry of Business, Innovation and Employment (MBIE), \$7,332,809 |
| 2015-2016  | New Smart Grid Technologies, funding from the New Zealand Smart Grid Forum, \$25,327   |
| 2013-2015  | Household Energy End Use Study, funding from Powerco and Unison, \$70,000  |
| 2013-2014  | 2050 Pathways New Zealand, funded by National Energy Research Institute, \$80,000  |
| 2012-2014  | Named Researcher, Energy Cultures 2, funded by MBIE, \$3,199,684   |
| 2012-2013  | Lighting Vanuatu, funded by Australian Aid, \$75,829   |
| 2012-2013  | Energy Transitions: Home and Transport, funded by New Zealand Energy Efficiency and Conservation Authority, \$40,000               |
| 2010, 2014 | Stanford University Precourt Energy Efficiency Fellowship  |

## **Professional Activities**

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| 2019      | Ofgem Network Innovation Competition Expert Panel member                                    |
| 2019-2022 | Research Director and Executive Committee Member of EnergyREV Research Consortium           |
| 2015-2019 | Research director at SEE Change Institute   |
| 2016      | Co-convenor of the Energy Cultures International Conference                                 |
| 2014-2015 | Co-chair of the 2050 Pathways New Zealand Steering Committee,                               |
| 2012-2015 | Steering Committee Member for the Otago Energy Research Centre                              |
| 2012-2014 | Leadership Council Member for the Garrison Institute's Climate, Mind, and Behaviour Program |

## **Employment History**

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|-----------|--|
| 2016-2019 | Researcher, Environmental Change Institute, University of Oxford, UK                           |
| 2015-2016 | Deputy Director and Senior Research Fellow, Centre For Sustainability, University of Otago, NZ |
| 2013-2015 | Lecturer, School of Engineering and Computer Science, Victoria University of Wellington        |
| 2011-2013 | Postdoctoral Fellow, Centre for Sustainability, University of Otago, NZ                        |

## **Qualifications**

Doctor of Philosophy, University of Oxford

9 Oct 2006 → 8 Jan 2010

Award Date: 8 Jan 2010

Master of Engineering, University of Oxford

1 Oct 2002 → 30 Jun 2006

Award Date: 30 Jun 2006