

UKERC Annual Conference 2019:

Local Energy Systems in National and International Contexts

Conference programme

Wednesday 24 th April	
Time	Session details
09.00-10.00	<i>Registration opens; tea and coffee available</i>
10.00-10.45	Welcome and keynote address
10.45-12.00	Panel discussion: public sector leadership
12.00-13.10	<i>Lunch (1 hour 10 mins)</i>
13.10-14.30	Session 1: Business models for local energy Session 2: Whole systems
14.30-14.50	<i>Coffee break (20 mins)</i>
14.50-16.10	Session 3: Governance and regulation Session 4: System integration
16.10-17.25	Panel discussion: engaging citizens and consumers
17.25	<i>Close</i>
19.30	<i>Dinner</i>

Thursday 25 th April	
Time	Session details
09.00-10.30	Workshop 1: EnergyREV Workshop 2: A new framework for energy governance
10.30-10.50	<i>Coffee break (20 mins)</i>
10.50-12.10	Session 5: Community business models Session 6: Global perspectives
12.10-13.10	<i>Lunch (1 hour)</i>
13.10-14.30	Session 7: Energy demand and flexibility Session 8: Solar power
14.30-14.50	<i>Coffee break (20 mins)</i>
14.50-16.10	Session 9: Local energy trading Session 10: Using data and assessing system performance
16.10-16.20	Closing remarks
16.20	<i>Conference closes</i>

Wednesday 24th April – Session details

13.10 – 14.30	<p style="text-align: center;">Session 1 – Business models for local energy <i>Chair: Tom Knowland</i></p> <p>How can intermediaries promote business model innovation: the case of ‘Energiesprong’ whole-house retrofits in the United Kingdom (UK) and the Netherlands <i>Donal Brown, Paula Kivimaa, Steven Sorrell</i></p> <p>Business Models For The Displacement Of Oil By Heat Pumps And Energy Storage In Social Housing <i>Osaru Agbonaye, Inna Vorushylo, Ye Huang, Motasem Bani-Mustapha and Patrick Keatley</i></p> <p>Pathways to a thriving community energy sector in the UK <i>Carly McLachlan, Tim Brauhnoltz-Speight and Sarah Mander</i></p> <p>Local energy business structures: prospects for reducing energy demand <i>Mags Tingey and Jan Webb</i></p>
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13.10 – 14.30	<p style="text-align: center;">Session 2 – Whole systems <i>Chair: Caroline Kuzemko</i></p> <p>Multi-level incoherence? Local and devolved whole energy system decision-making in a UK context <i>Jonathan Radcliffe, Peter Taylor, Mark Winskel, Will McDowall and Catherine Bale</i></p> <p>Assessing Impact and Opportunities of Local Energy Systems: A Scottish Case Study <i>Rory Telford, Stuart Galloway, Elizabeth Robertson, Damien Frame and Ragne Low</i></p> <p>Multi-level governance for deploying energy storage in the energy system transition: A Social Network Analysis approach <i>Xinfang Wang and Jonathan Radcliffe</i></p> <p>Understanding localised energy imaginaries as a resource for critical reflection on ‘the needs of the system’ <i>Christopher Groves, Karen Henwood, Nick Pidgeon, Catherine Cherry, Erin Roberts and Gareth Thomas</i></p>
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14.50 – 16.10	Session 3 – Governance and regulation <i>Chair: Alan Collinson</i>
	The Changing Landscape Of Local Energy Governance In England <i>Sam Hampton and Tina Fawcett</i>
	Governance models and low carbon thermal networks <i>Trent Berry and Michael King</i>
	Local Government Sustainable Energy Capacities: Scale, Context and Materiality <i>Caroline Kuzemko & Jess Britton</i>
Contestability And Regulation Of Local Energy Systems: Lessons From Australia <i>Richard Rodger, Ben Shafran and Joel Cook</i>	

14.50 – 16.10	Session 4 – System integration <i>Chair: Keith Bell</i>
	A Case Study on the Local Network Impacts of the Electrification of Transport in the Southside of Glasgow <i>James Dixon, Ian Elders and Keith Bell</i>
	Local Energy System Archetypes <i>Damien Frame and Keith Bell</i>
	The Energy Revolution Integration Service (ERIS): System integration <i>Anna Stegman and Jim Lott</i>
Multi-Site Optimisation for Local Energy Services <i>Scot Wheeler, Avinash Vijay and Malcolm McCulloch</i>	

Thursday 25th April – Session details

10.50 – 12.10	Session 5 – Community energy business models <i>Chair: Jim Watson</i>
	Moving community energy in the UK from individual projects towards transformative change <i>Colin Nolden</i>
	Financing Community Energy: views from the sector <i>Iain Cairns and Matthew Hannon</i>
	Financial performance and business models in the UK community energy sector <i>Edward Manderson and Maria Sharmina</i>
The promotion of community energy projects in Chile and Scotland: an economic approach using biform games. <i>Fabián Fuentes González, Adriaan Hendrik van der Weijde and Enzo Sauma</i>	

<p>10.50 – 12.10</p>	<p style="text-align: center;">Session 6 – Global perspectives <i>Chair: Kajsa Longuere</i></p> <p>Environmental assessment of household energy use in tropical remote communities <i>Jhud Mikhail Aberilla, Alejandro Gallego-Schmid, Laurence Stamford and Adisa Azapagic</i></p> <p>Local Energy Governance for Achieving SDG 7 <i>District Energy Officers in Malawi</i></p> <p>Evaluating the women’s empowerment impact of an improved cookstove project through the W+ Standard methodology: a case study in Karnataka, India. <i>Lotte Beekenkamp</i></p> <p>Changing priorities for energy storage in local energy systems in the UK and internationally. <i>Daniel Murranta, Jonathan Radcliffe, Xinfang Wang and Rosie Day</i></p>
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<p>13.10 – 14.30</p>	<p style="text-align: center;">Session 7 – Energy demand and flexibility <i>Chair: Katy Roelich</i></p> <p>Energy efficient building retrofitting: national and local government perspectives <i>Faye Wade, Ruth Bush and Jan Webb</i></p> <p>The (social) cost and value of flexible demand <i>Philipp Grunewald, Marina Diakonova and Aven Satre-Meloy</i></p> <p>Access Project: Matching Demand to Renewable Supply on Isolated Grids <i>Tom Staw and Shane Slater</i></p> <p>Local energy flexibility and householder experiences of smart home batteries and solar PVs in a socially-deprived community <i>Rajat Gupta and Adorkor Bruce-Konuah</i></p>
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<p>13.10 – 14.30</p>	<p style="text-align: center;">Session 8 – Solar power <i>Chair: Nicky Beaumont</i></p> <p>Smart Solar & Storage: experience in developing a large and scalable social housing project <i>Jon Cape</i></p> <p>Barriers and Opportunities for Pay As You Go Off-Grid Energy in Malawi <i>Jonathan Bowes, Damien Frame, Aran Eales and Scott Strachan</i></p> <p>Solar Park Impacts on Ecosystem Services (SPIES) decision-support tool: a co-developed, evidence-based approach R.J. Randle-Boggis, P.C. L. White, J. Cruza, G. Parker, H. Montag, J. Scurlock and A. Armstrong</p> <p>Increased agricultural crop production in fields surrounding solar parks with honeybee hives</p>
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<p>14:50 – 16:10</p>	<p style="text-align: center;">Session 9 – Local energy trading <i>Chair: Jan Webb</i></p> <p>The Invisible Hand of the Local Energy Market: Free-Market Energy Trading in Real Time <i>David Mutch, Clive Tomlinson and Oliver Shotton</i></p> <p>Let's Get Real: Realist synthesis of evidence on local energy systems <i>Michael Fell and David Shipworth</i></p> <p>Regulating peer-to-peer energy trading: what can the UK learn from other countries? <i>Alexandra Schneiders</i></p> <p>Low-carbon energy and business parks – a model for the future <i>Ingrid Bennett and Andrew Tolfts</i></p>
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<p>14:50 – 16:10</p>	<p style="text-align: center;">Session 10 – Using data and assessing system performance <i>Chair: Tim German</i></p> <p>London's climate action plan: Multi-vector energy system modelling <i>Antonia Mattos, Fiona Hughes, Sam Foster and Ian Walker</i></p> <p>Evaluation of Heat Storage within University Campuses in the UK: A Case Study on Lancaster University Campus <i>Oluyemi Jegede, Jan Bastiaans and Jonathan Radcliffe</i></p> <p>Local area energy planning: Supporting clean growth and low carbon transition <i>Richard Halsey, Richard Leach and Grant Tuff</i></p> <p>The Possibilities Are Endless: Making Sense of Local Energy System Modelling <i>Graeme Hawker</i></p>
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For more information please visit:

<http://www.ukerc.ac.uk/events/ukerc-conference-2019.html>

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