

<b>ORAL PROGRAM</b>
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<b>Sunday, 2<sup>nd</sup> April 2017</b>	
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<b>12:30-14:30</b>	<b>Registration   Room: Tramuntana Foyer</b>	
<i>Room</i>	<i>Room: Tramuntana 2&amp;3</i> <i>Session Chair: Scott Valentine, National University of Singapore, Singapore</i>	
<b>14:30-14:45</b>	<b>Conference Welcome</b> <b>Scott Valentine<sup>1</sup>, Benjamin Sovacool<sup>2</sup>, <sup>1</sup>National University of Singapore, Singapore, <sup>2</sup>University of Sussex, UK</b>	
<b>14:45-15:30</b>	<b>[K1] Valuing the social sciences in energy research</b> <b>Benjamin Sovacool, University of Sussex, UK</b>	
<i>Rooms</i>	<i>Tramuntana 2&amp;3</i>	<i>Garbi</i>
<b>15:30-17:15</b>	<b>Session 1: New Frontiers in Fuel Poverty Research</b> <i>Session Chair: Lucie Middlemiss, University of Leeds, UK</i>	<b>Session 2: Community and Local Energy</b> <i>Session Chair: Scott Valentine, National University of Singapore, Singapore</i>
<b>15:30-15:45</b>	<b>[O1.1] Energy vulnerability and the lived experience of energy system change</b> N. Longhurst*, T. Hargreaves <i>University of East Anglia, UK</i>	<b>[O2.2] Evaluating policy schemes for the shared ownership of wind power projects in Germany</b> B. Gotchev <i>Institute for Advanced Sustainability Studies, Germany</i>
<b>15:45-16:00</b>	<b>[O1.2] A critical, comparative analysis of approaches to fuel poverty in England, France and Ireland</b> N. Kerr, R. Gillard, L. Middlemiss* <i>University of Leeds, UK</i>	<b>[O2.2] Social acceptance of renewable energies: A comparative, survey-based analysis in Germany, France, and Switzerland</b> K. Schumacher*, R. McKenna, F. Krones, F. Schultmann <i>Karlsruhe Institute of Technology (KIT), Germany</i>
<b>16:00-16:15</b>	<b>[O1.3] Re-visioning the measurement of energy poverty in Europe: A critical analysis of indicators and data</b> H. Thomson <i>University of Manchester, UK</i>	<b>[O2.3] Financing community energy: The evolution of the sector and future visions</b> C. McLachlan* <sup>1</sup> , T. Brauholtz-Speight <sup>1</sup> , S. Mander <sup>1</sup> , M. Sharmina <sup>1</sup> , E. Manderson <sup>2</sup> , M. Hannon <sup>3</sup> , J. Hardy <sup>1</sup> <sup>1</sup> University of Manchester, UK, <sup>2</sup> University of Strathclyde, UK, <sup>3</sup> Imperial College London, UK
<b>16:15-16:30</b>	<b>[O1.4] Energy justice and the domestic retrofit challenge: Due process and fair outcomes for 'vulnerable groups'</b> R. Gillard*, C. Snell, M. Bevan <i>University of York, UK</i>	<b>[O2.4] Energy cooperatives in the changing political environment of Switzerland - a typology of adaptation strategies</b> B. Schmid* <sup>1,2</sup> , I. Seidl <sup>1</sup> <sup>1</sup> Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Switzerland, <sup>2</sup> University of Bern, Switzerland
<b>16:30-16:45</b>	<b>[O1.5] Fuel poverty in Japan: Its significance and future</b> <b>M. I</b> <i>University of Oxford, UK</i>	<b>[O2.5] Local forms and eco-social functions: Community energy models in Canada and New Zealand</b> J. MacArthur <sup>1</sup> , C. Hoicka* <sup>2</sup> <sup>1</sup> University of Auckland, New Zealand, <sup>2</sup> York University, Canada
<b>16:45-17:00</b>	<b>[O1.6] The United States regulatory compact, energy affordability, and energy poverty</b> J. Oppenheim <i>Democracy and Regulation, USA</i>	<b>[O2.6] Exploring community energy governance as a socio-legal institution; Some regulatory issues on institutional co-existence and achieving energy justice</b> M.A. Heldeweg* <sup>1</sup> , S. Saintier <sup>2</sup> <sup>1</sup> University of Twente, The Netherlands, <sup>2</sup> University of Exeter, UK
<b>17:00-17:15</b>	<b>[O1.7] A study of multidimensional energy poverty measurement: the Japanese case</b> S. Okushima <i>University of Tsukuba, Japan</i>	<b>[O2.7] Regulatory slack and local "voluntary" arrangements to govern bioenergy generation</b> M-H. Ehlers <i>Humboldt University of Berlin, Germany</i>
<b>17:15-19:00</b>	<b>Welcome drinks reception   Room: Tramuntana 1</b>	

Monday, 3 <sup>rd</sup> April 2017		
<b>Room</b>	<b>Room: Tramuntana 2&amp;3</b> <b>Session Chair: Benjamin Sovacool, University of Sussex, UK</b>	
<b>08:00-08:45</b>	<b>[K2] TBC</b> <b>Miranda Schreurs, Technical University of Munich, Germany</b>	
<b>Rooms</b>	<b>Tramuntana 2&amp;3</b>	<b>Garbi</b>
<b>08:45-10:30</b>	<b>Session 3: State of the Energy Studies Field and New Directions</b> <b>Session Chair: Benjamin Sovacool, University of Sussex, UK</b>	<b>Session 4: Perceptions, Power, and Legitimacy in Energy Systems</b> <b>Session Chair: Patrick Devine-Wright, University of Exeter, UK</b>
08:45-09:00	<b>Panel 1: Taking stock of the energy studies field: reflections and critical insights</b>  <b>[PAN1.1] The value and necessity of interdisciplinary and inclusive energy research</b> B.K. Sovacool*, M. Jefferson, N. Dean <i>University of Sussex, UK</i>  <b>[PAN1.2] Tales from 45 years of disputation</b>	<b>[O4.1] The European perception of climate change survey: Public perceptions of energy issues and climate change across Germany, France, Norway and the United Kingdom</b> K. Steentjes <sup>1</sup> , N. Pidgeon <sup>1</sup> , W. Poortinga <sup>1</sup> , A. Arnold <sup>5</sup> , G. Böhm <sup>4</sup> , E. Tvinnereim <sup>3</sup> , M. Poumadère <sup>2</sup> , C. Mays <sup>2</sup> <sup>1</sup> Cardiff University, UK, <sup>2</sup> Institut Symlog, France, <sup>3</sup> Rokkan Centre for Social Studies, Norway, <sup>4</sup> University of Bergen, Norway, <sup>5</sup> University of Stuttgart, Germany
09:00-09:30	M. Jefferson <i>University of Buckingham, UK</i>  <b>[PAN1.3] Taking stock of the energy studies field</b> A. Rubino <i>Macmillan Publishers, UK</i>	<b>[O4.2] Powering institutions – credibility, enforcement and legitimacy in community energy projects</b> F. Boräng <sup>1</sup> , H. Ahlborg* <sup>1</sup> <sup>1</sup> University of Gothenburg, Sweden, <sup>2</sup> Chalmers University of Technology, Sweden
09:30-09:45		<b>[O4.3] Energy democracy: Political power and renewable energy</b> M. Burke* <sup>1</sup> , J. Stephens <sup>2</sup> <sup>1</sup> McGill University, Canada, <sup>2</sup> Northeastern University, USA
09:30-09:45	<b>[O3.1] Coordinating cross-disciplinary research on energy: The experience of the Energyimpacts.org Research Coordination Network (RCN)</b> J. Jacquet* <sup>1</sup> , J. Haggerty <sup>2</sup> <sup>1</sup> Ohio State University, USA, <sup>2</sup> Montana State University, USA	<b>[O4.4] Evolving interest coalitions and deployment policy design: Comparing the Swiss and German feed-in tariffs</b> L. Haelg*, T. Schmidt, S. Sewerin <i>ETH Zurich, Switzerland</i>
09:45-10:00	<b>[O3.2] A toolkit for improving the quality and reproducibility of energy research</b> M. Nicolson, M. Fell, G. Huebner, D. Shipworth, S. Elam, C. Hanmer, H. Kennard* <i>University College London, UK</i>	<b>[O4.5] Why do some norms take hold? The case of fossil fuel energy consumption</b> T. Van de Graaf* <sup>1</sup> , M. Blondeel <sup>1</sup> , J. Colgan <sup>2</sup> <sup>1</sup> Ghent University, Belgium, <sup>2</sup> Brown University, USA
10:00-10:15	<b>[O3.3] Analysing influence: Politics, policy and energy studies</b> E. Errington*, F. Vantaggiato <i>University of East Anglia, UK</i>	<b>[O4.6] Towards a typology of controversies in energy projects: Challenges and opportunities for decision-making</b> E. van de Grift*, E. Cuppen <i>Delft University of Technology, The Netherlands</i>
10:15-10:30	<b>[O3.4] Creating transparent, plausible, relevant, and consistent energy scenarios</b> A. Ernst*, K. Biß, B. Gillissen, F. Gotzens, H. Heinrichs, P. Kunz, D. Schumann, H. Shamon, J. Többen, S. Vögele <i>Forschungszentrum Jülich, Germany</i>	<b>[O4.7] Making and breaking of energy transitions: A review of studies on stakeholder influence and propositions for future research</b> A. Kachi* <sup>1</sup> , A. Rinscheid <sup>2</sup> , R. Wüstenhagen <sup>2</sup> <sup>1</sup> University of Basel, Switzerland, <sup>2</sup> University of St.Gallen, Switzerland
<b>10:30-11:00</b>	<b>Refreshment Break &amp; Poster Viewing   Room: Tramuntana 1</b>	

<b>11:00-12:45</b>	<b>Session 5: Energy Governance and Institutions</b> <i>Session Chair: Philip Andrews-Speed, National University of Singapore, Singapore</i>	<b>Session 6: Energy Agents, Actors and Intermediaries</b> <i>Session Chair: Marilyn Brown, Georgia Institute of Technology, USA</i>
<b>11:00-11:15</b>	<b>[O5.1] Governance frameworks in renewable energy cooperatives (RECs)</b> V. Brummer <i>Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen, Germany</i>	<b>[O6.1] Fostering the transition of the heat sector - what are major challenges for relevant actors?</b> E. Dütschke*, J. Wesche, N. Friedrichsen et al <i>Fraunhofer ISI, Germany</i>
<b>11:15-11:30</b>	<b>[O5.2] Local governance of energy in the UK: A comparative analysis across regions and nations</b> M. Tingey*, D. Hawkey, J. Webb <i>University of Edinburgh, UK</i>	<b>[O6.2] Brokering energy efficiency: The role of real estate agents in the markets for residential energy efficiency and renewable energy solutions</b> M. J alas* <sup>1</sup> , J. Rinkinen <sup>2</sup> <sup>1</sup> <i>Aalto University School of Arts, Design and architecture, Finland,</i> <sup>2</sup> <i>Lancaster University, UK</i>
<b>11:30-11:45</b>	<b>[O5.3] Spectres of decentralization: Energy and climate change decisions in new Indian urban governance</b> A. Bhardwaj <i>Centre For Policy Research, India</i>	<b>[O6.3] Experimental projects as learning settings for system building in marine renewable energies</b> M. Fontes* <sup>1</sup> , N. Bento <sup>2</sup> , C. Sousa <sup>3,2</sup> <sup>1</sup> <i>LNEG - Laboratório Nacional de Energia e Geologia, Portugal,</i> <sup>2</sup> <i>Instituto Universitário de Lisboa (ISCTE-IUL), DINAMIA'CET-IUL, Portugal,</i> <sup>3</sup> <i>Universidade Portucalense, Portugal</i>
<b>11:45-12:00</b>	<b>[O5.4] State, markets, and governance for sustainable energy transitions: Smart grid developments in Japan and China</b> D. Mah <i>Hong Kong Baptist University, Hong Kong</i>	<b>[O6.4] Freaks and visionaries - The role of actors in new path creation in the German wind energy technology</b> J. Wellbrock <i>University of Hannover, Germany</i>
<b>12:00-12:15</b>	<b>[O5.5] Decoupling electricity utilities: "coupled" policy diffusion among American states</b> Y. Wang, <i>Iowa State University, USA</i>	<b>[O6.5] Third party intermediaries in the retail energy market– less engagement, less green?</b> S. MacDonald, <i>University of Oxford, UK</i>
<b>12:15-12:30</b>	<b>[O5.6] The brave new world of "Nationally Determined Contributions": Returning national energy politics to centre stage</b> N.K. Dubash, <i>Centre for Policy Research, India</i>	<b>[O6.6] Destabilisation and decline of existing regimes: The role of entrepreneurs in the NZ transport industry</b> S. Walton*, A. Hyde <i>University of Otago, New Zealand</i>
<b>12:30-12:45</b>	<b>[O5.7] Nitrogenous chemical fertilizer in the water-energy-food nexus of China: An institutional analysis</b> P. Andrews-Speed <i>National University of Singapore, Singapore</i>	<b>[O6.7] Why did better place fail?: Range anxiety, interpretive flexibility, and electric vehicle promotion in Denmark and Israel</b> L. Noel* <sup>1</sup> , B.K. Sovacool <sup>1</sup> <sup>1</sup> <i>Aarhus University, Denmark,</i> <sup>2</sup> <i>University of Sussex, UK</i>
<b>12:45-13:15</b>	<b>Lunch   Room: Noray Restaurant &amp; Marquee</b>	
<b>13:15-14:15</b>	<b>Poster session 1   Room: Tramuntana 1</b> <i>Session Chair: Scott Valentine, National University of Singapore, Singapore</i>	
<b>Room</b>	<b>Room: Tramuntana 2&amp;3</b> <i>Session Chair:</i>	
<b>14:15-15:00</b>	<b>[K3] Political ecology of rising China: Impacts of Chinese hydro powers in Asia and Africa</b> May Tan-Mullins, <i>The University of Nottingham Ningbo China (UNNC), China</i>	
<b>Rooms</b>	<b>Tramuntana 2&amp;3</b>	<b>Garbi</b>
<b>15:00-15:45</b>	<b>Session 7: Energy and Gender</b> <i>Session Chair: Erika Weinthal, Duke University, USA</i>	<b>Session 8: Energy, Ethnography and Anthropology</b> <i>Session Chair: Chris Hebdon, Yale University, USA</i>
<b>15:00-15:15</b>	<b>[O7.1] A gender perspective on rural energy transitions in Africa</b> V. Gerber <sup>2</sup> , O. Johnson* <sup>1</sup> <sup>1</sup> <i>Stockholm Environment Institute, Kenya,</i> <sup>2</sup> <i>University of Oxford, UK</i>	<b>[O8.1] C Ethnography, energy, and ethics: Everyday entanglements of purity and pollution in the Indian Himalayas</b> D. Chatti <i>Yale University, USA</i>

15:15-15:30	<b>[O7.2] Gender diversity and energy democracy in the renewable energy transition: The value of a more holistic, inclusive approach</b> J.C. Stephens <i>Northeastern University, USA</i>	<b>[O8.2] An Ethnography of the Dakota Access Pipeline Protest: Ethical perspectives on a controversial energy project</b> G. Frigo <i>University of North Texas, USA</i>
15:30-15:45	<b>[O7.3] Gender and the energy transition</b> J.S. Clancy <i>University of Twente, The Netherlands</i>	<b>[O8.3] A folkloristic prism on energy and climate change research</b> M. Moezzi <sup>1</sup> <sup>1</sup> <i>Portland State University, USA</i> , <sup>2</sup> <i>QQForward, USA</i>
<b>15:45-16:15 Refreshment Break &amp; Poster Viewing   Room: Tramuntana 1</b>		
<b>16:15-18:15</b>	<b>Session 9: Energy Transformation, Innovation and Diffusion</b> <i>Session Chair: Kathy Araujo, Stony Brook University, USA</i>	<b>Session 10: Energy Justice and Equity</b> <i>Session Chair: Raphael Heffron, Queen Mary University of London, UK &amp; Kirsten Jenkins, University of Sussex, UK</i>
16:15-16:30	<b>[O9.1] Procedural fairness, developer transparency and the energy transformation</b> J. Firestone, <i>University of Delaware, USA</i>	<b>[O10.1] Why energy matters: Energy biographies and everyday ethics</b> C. Groves, <i>Cardiff University, UK</i>
16:30-16:45	<b>[O9.2] Developing innovative low energy housing projects – examples from the UK</b> M. Martiskainen* <sup>1</sup> , P. Kivimaa <sup>1</sup> <sup>1</sup> <i>University of Sussex, UK</i> , <sup>2</sup> <i>Finnish Environment Institute SYKE, Finland</i>	<b>[O10.2] Demand-side response and heat-pumps; reflections on interviews with social housing tenants through a lens of energy justice</b> P. Calver* <sup>1,2</sup> , S. Mander <sup>1,2</sup> , R. Wood <sup>1,2</sup> <sup>1</sup> <i>University of Manchester, UK</i> , <sup>2</sup> <i>Tyndall Centre for Climate Change Research, UK</i>
16:45-17:00	<b>[O9.3] Understanding innovation timelines for technology substitution: A comparison of energy supply and end use technologies</b> R.F. Hanna, <i>Imperial College London, UK</i>	<b>[O10.3] Learning from Lancashire: Exploring the contours of the shale gas debate in the UK</b> M.J. Bradshaw* <sup>1</sup> , C. Waite <sup>1</sup> <sup>1</sup> <i>University of Warwick, UK</i> , <sup>2</sup> <i>University of Northampton, UK</i>
17:00-17:15	<b>[O9.4] Mediating Smart Energy Technologies: Unpacking uncertainty between state institutions, firms and consumers</b> M. LaBelle <i>Central European University, Hungary</i>	<b>[O10.4] Energy justice in Canada's north: Expanding the decision matrix</b> J. Rayner*, A. Rastogi <i>University of Saskatchewan, Canada</i>
17:15-17:30	<b>[O9.5] Selectivity, conformity and fragmentation in vehicle-to-grid (V2G) electric mobility: Navigating the sociotechnical acceptance of ISO 15118</b> J. Kester* <sup>1</sup> , L. Noel <sup>1</sup> , X. Lin <sup>1</sup> , G. Zarazua de Rubens <sup>1</sup> , B. Sovacool <sup>1,2</sup> <sup>1</sup> <i>University of Aarhus, Denmark</i> , <sup>2</sup> <i>University of Sussex, UK</i>	<b>[O10.5] A fair and participatory energy transition in a city of inequalities? Local cases from the built environment of Berlin's energy transition</b> G. Amoruso <i>Freie Universität Berlin, Germany</i>
17:30-17:45	<b>[O9.6] Expertise and infrastructure malleability in energy innovations and energy transitions</b> K. Araujo <i>Stony Brook University, USA</i>	<b>Panel 2: Methodologies &amp; policy models for energy justice scholarship</b>
17:45-18:00	<b>[O9.7] Too mature to change? The case of innovation dynamics in the heat pump sector</b> E. Gazis*, J. Skea <i>Imperial College London, UK</i>	<b>[PAN2.1] Socio-technical approaches to Energy Justice</b> K.E.H. Jenkins* <sup>1</sup> <i>University of St Andrews, UK</i> , <sup>2</sup> <i>Queen Mary University of London, UK</i>
18:00-18:15	<b>[O9.8] Social energy systems innovation: Networks of research, and knowing who to learn from</b> B. Campbell* <sup>1</sup> , E. Brown <sup>2</sup> , J. Cloke <sup>2</sup> <sup>1</sup> <i>Durham University, UK</i> , <sup>2</sup> <i>Loughborough University, UK</i>	<b>[PAN2.2] Economics and legal methodologies in energy justice</b> R. Heffron, <i>Queen Mary University of London, UK</i>  <b>[PAN2.3] Geographical methodologies in energy justice</b> D. McCauley, <i>University of St Andrews, UK</i>

Tuesday, 4 <sup>th</sup> April 2017		
<b>Room</b>	<b>Room: Tramuntana 2&amp;3</b>	
	<b>Session Chair:</b>	
<b>08:00-08:45</b>	<b>[K4] TBC</b> Jim Watson, <i>University of Sussex &amp; UK Energy Research Centre (UKERC), UK</i>	
<b>Rooms</b>	<b>Tramuntana 2&amp;3</b>	<b>Garbi</b>
<b>08:45-10:30</b>	<b>Session 11: New Technologies for Mobility, Electricity, and Fossil Fuels</b> Session Chair: Kathy Araujo, <i>Stony Brook University, USA</i>	<b>Session 12: Rethinking Sociotechnical Transitions</b> Session Chair: Florian Kern, <i>University of Sussex, UK</i>
08:45-09:00	<b>[O11.1] The effect of increased information on views about hydraulic fracturing</b> D. Evensen*, C. Demski, N. Pidgeon <i>Cardiff University, UK</i>	<b>[O12.1] The use of social enterprise in community energy transitions: A reflection on using an action research approach</b> J. Hillman*, J. Morrissey <i>Liverpool John Moores University, UK</i>
09:00-09:15	<b>[O11.2] Discoveries from cracking into fracking with the Insitutional Grammar Tool</b> D. Campin <i>The University of Queensland, Australia</i>	<b>[O12.2] Socio-technical systems resilience in the context of local energy transitions: Theoretical and methodological reflections based on a Chilean experience</b> A. Urquiza* <sup>1,2</sup> , M. Billi <sup>2,3</sup> <sup>1</sup> <i>Universidad de Chile, Chile</i> , <sup>2</sup> <i>Center for Climate and Resilience Research (CR2), Chile</i> , <sup>3</sup> <i>Universidad Adolfo Ibañez, Chile</i>
09:15-09:30	<b>[O11.3] Determinants of shale oil and gas regulatory outcomes in North Dakota</b> E. Litzow* <sup>1</sup> , K. Neville <sup>2</sup> , B. Johnson-King <sup>1</sup> , E. Weinthal <sup>1</sup> <sup>1</sup> <i>Duke University, USA</i> , <sup>2</sup> <i>University of Toronto, Canada</i>	<b>[O12.3] Framing the integrated governance of the food-energy and water nexus – An application of the management and transition framework</b> C. Märker*, S. Venghaus, J-F. Hake <i>Forschungszentrum Jülich, Germany</i>
09:30-09:45	<b>[O11.4] Managing the wicked problem of high-volume hydraulic fracturing through network governance approaches</b> L.N. Long*, G. Arnold, R. Huerdo <i>Center for Environmental Policy and Behavior, University of California, Germany</i>	<b>[O12.4] Socio-technical energy scenarios - relating society futures to energy futures</b> W. Weimer-Jehle* <sup>1</sup> , T. Naegler <sup>2</sup> , S. Prehofer <sup>1</sup> , T. Pregger <sup>2</sup> , W. Hauser <sup>1</sup> <sup>1</sup> <i>University of Stuttgart, Germany</i> , <sup>2</sup> <i>DLR, Germany</i>
09:45-10:00	<b>[O11.5] Can adoption of rooftop solar PV panels trigger a utility death spiral? A tale of two cities</b> M. Maaafa* <sup>1</sup> , I. Adjali <sup>1</sup> , S.O. Kimbrough <sup>1,2</sup> , F.H. Murphy <sup>1,3</sup> , R. Fuentes <sup>1</sup> , P. Bean <sup>1</sup> <sup>1</sup> <i>King Abdullah Petroleum Studies and Research Center (KAPSARC), Saudi Arabia</i> , <sup>2</sup> <i>University of Pennsylvania, USA</i> , <sup>3</sup> <i>Temple University, USA</i>	<b>[O12.5] Energy as Socio-Technical Problem - Control, Change, and Action in Energy Transitions</b> C. Büscher <i>KIT, Germany</i>
10:00-10:15	<b>[O11.6] Confusion of innovations: Mainstream consumer perceptions and misperceptions of electric-drive vehicle technology</b> J. Axsen*, S. Goldberg, B. Langman <i>Simon Fraser University, Canada</i>	<b>[O12.6] Novel grassroots strategies in the Spanish energy transition, dialoguing with grassroots transitions on other socio-technical systems: Towards a deep transition?</b> V. Pellicer-Sifres* <sup>2</sup> , S. Belda-Miquel <sup>1</sup> , I. Cuesta-Fernandez <sup>1</sup> <sup>1</sup> <i>Technical University of Valencia, Spain</i> , <sup>2</sup> <i>University of Edinburgh, UK</i>
10:15-10:30	<b>[O11.7] Evaluating mobility transitions by means of self-driving urban areas</b> P-L. Blyth* <sup>1</sup> , M.N. Mladenovic <sup>1</sup> , K. Pangbourne <sup>2</sup> , D. Milakis <sup>3</sup> <sup>1</sup> <i>Aalto University, Finland</i> , <sup>2</sup> <i>University of Leeds, UK</i> , <sup>3</sup> <i>TU</i>	<b>[O12.7] Overcoming inertia in socio-technical systems and reaching escape velocity towards low carbon futures</b> F.G.N. Li*, N. Strachan <i>University College London, UK</i>

	<i>Delft, The Netherlands</i>	
<b>10:30-11:00</b>	<b>Refreshment Break &amp; Poster Viewing   Room: Tramuntana 1</b>	
<b>11:00-12:30</b>	<b>Session 13: Interdisciplinary Perspectives on Energy</b> <i>Session Chair: Linda Steg, University of Groningen, The Netherlands</i>	<b>Session 14: The Complexities of Energy and Poverty</b> <i>Session Chair: Erika Weinthal, Duke University, USA</i>
11:00-11:15	<b>Panel 3: The need for an integrated SSH perspective on energy: Insights from PERSON</b>  [PAN3.1] Why social sciences and humanities are needed to realise a sustainable energy transition L. Steg, <i>University of Groningen, The Netherlands</i>	<b>[O14.1] Exploring energy vulnerabilities as a result of welfare and employment policy reform: A UK case study</b> K. Parkhill* <sup>1</sup> , C. Butler <sup>2</sup> <sup>1</sup> <i>University of York, UK, </i> <sup>2</sup> <i>University of Exeter, UK</i>
11:15-11:30	[PAN3.2] Should we quit our jobs? Challenges, barriers and recommendations for interdisciplinary energy research G. Schuitema* <sup>1</sup> , N. Sintov <sup>1</sup> <sup>1</sup> <i>University College Dublin, Ireland, </i> <sup>2</sup> <i>University of Southern California, USA</i>	<b>[O14.2] A "hard" versus "soft" science dichotomy? Comparing engineering and social science approaches to electricity planning in sub-Saharan Africa</b> P.A. Trotter*, R. Maconachie, M.C. McManus <i>University of Bath, UK</i>
11:30-11:45	[PAN3.3] Emerging energy geographies P. Devine Wright, <i>University of Exeter, UK</i>	<b>[O14.3] From subordination to resistance and solidarity: Energy poverty, disconnections and transformative citizen action in Barcelona</b> S.T. Herrero <sup>1,2</sup> <sup>1</sup> <i>RMIT Europe, Spain, </i> <sup>2</sup> <i>The University of Manchester, UK</i>
11:45-12:00	[PAN3.4] Energy Ethics: Mixed judgements as a comprehensive normative framework to promote a sustainable energy transition M. Düwell*, H. van Gils <i>University of Utrecht, The Netherlands</i>	<b>[O14.4] Socio-economic and institutional determinants of energy and development pathways in sub-Saharan Africa</b> F.X. Johnson, A. Nyambane, O. Johnson*, H. Wanjiru, M. Ogeya <i>Stockholm Environment Institute, Kenya</i>
12:00-12:15	[PAN3.5] Visualising heat loss from homes: Thermography as a Socio-Technical Tool to Reduce Energy Consumption	<b>[O14.5] Energy services and life satisfaction: A study on households in two Mexican communities</b> J. Cravioto*, E. Yamasue <i>Ritsumeikan University, Japan</i>
12:15-12:30	[PAN3.6] Social and structural drivers of upgrading the energy standard of privately owned buildings in Norway C.A. Klöckner*, A. Nayum <i>Norwegian University of Science and Technology, Norway</i>	<b>[O14.6] Development and energy transitions: The role of experimental governance in the Renewable Energy Independent Power Producer Procurement Programme in South Africa</b> M.L. Davies*, M. Swilling <i>Stellenbosch University, South Africa</i>
<b>12:30-13:00</b>	<b>Lunch   Room: Noray Restaurant &amp; Marquee</b>	
<b>13:00-14:00</b>	<b>Poster session 2   Room: Tramuntana 1</b> <i>Session Chair: Benjamin Sovacool, University of Sussex, UK</i>	
<b>Room</b>	<i>Room: Tramuntana 2&amp;3</i> <i>Session Chair:</i>	
<b>14:00-14:45</b>	<b>[K5] Selling energy efficiency in a carbon-conscious world</b> <i>Marilyn Brown, Georgia Institute of Technology, USA</i>	
<b>Rooms</b>	<i>Tramuntana 2&amp;3</i>	<i>Garbi</i>
<b>14:45-15:30</b>	<b>Session 15: Conflict, Cooperation, and the Politics of Energy Interdependence</b> <i>Session Chair: Mark Nance, North Carolina State University, USA</i>	<b>Session 16: Social Representations of Energy Transitions</b> <i>Session Chair: Chris Hebdon, Yale University, USA</i>
	<b>Panel 4: Conflict, cooperation, and the politics of energy interdependence</b>	<b>[O16.1] Encounters between top-down and bottom-up representations of sustainable energy: Lessons from the Italian context</b>

	<p><b>[PAN4.1] Conflict, cooperation, and the politics of energy interdependence</b>  T. Mark Nance*<sup>1</sup>, J. Kester<sup>2</sup>, S. Moore<sup>3</sup>, R. Reardon<sup>4</sup>, A. Stulberg<sup>5</sup>, T. Van de Graaf<sup>6</sup>  <sup>1</sup>North Carolina State University, USA, <sup>2</sup>Aarhus University, Denmark, <sup>3</sup>Michigan State University, USA, <sup>4</sup>North Carolina State University, USA, <sup>5</sup>School of International Affairs, USA, <sup>6</sup>Ghent University, Belgium</p>	<p>M. Sarrica*<sup>1</sup>, F. Biddau<sup>2</sup>, S. Brondi<sup>1</sup>, P. Cottone<sup>2</sup>  <sup>1</sup>Sapienza University of Rome, Italy, <sup>2</sup>University of Padua, Italy</p> <p><b>[O16.2] Social representations theory in critical and interdisciplinary hands: Some elements for a better understanding of people's responses to energy technologies</b>  S. Batel  University Institute of Lisbon, Portugal</p> <p><b>[O16.3] Steps of a creative encounter between citizens and their new smart meter in France</b>  M. Poumadère*<sup>1</sup>, R. Bertoldo<sup>1</sup>  <sup>1</sup>Institut Symlog, France, <sup>2</sup>Université d'Aix-Marseille, France</p>
<b>15:30-16:00</b>	<b>Refreshment Break &amp; Poster Viewing   Room: Tramuntana 1</b>	
<b>16:00-18:00</b>	<p><b>Session 17: Energy and Social Theory</b>  Session Chair: Linda Steg, University of Groningen, The Netherlands</p>	<p><b>Session 18: New Perspectives on Community Energy and Social Acceptance</b>  Session Chair: Patrick Devine-Wright, University of Exeter, UK</p>
16:00-16:15	<p><b>[O17.1] Cultural influences on domestic energy consumption: A comparison of behaviors and attitudes between social groups in the UK</b>  J. Whitton, G.B. Banjoko*  University of Central Lancashire, UK</p>	<p><b>[O18.1] Community energy in the UK- The end or the beginning of a brighter future?</b>  P. Mirzania*, A. Ford, G. Maidment, D. Andrews  London Southbank University, UK</p>
16:15-16:30	<p><b>[O17.2] Efficient energy research for effective energy policy: strategy, design and methods</b>  A.C.G. Cooper*, D. Shipworth  UCL, UK</p>	<p><b>[O18.2] Problematising the participative financing of renewable energy</b>  A. Nadai  CIRED-CNRS, France</p>
16:30-16:45	<p><b>[O17.3] Behavioural geographies: From nudge(ography) to practice theories</b>  L. Reid, K. Ellsworth-Krebs*  University of St Andrews, UK</p>	<p><b>[O18.3] Citizen participation and municipal utilities as drivers for the German Energiewende – mere rhetoric or established practice?</b>  I. Richter, B. Gotchev*, K. Nicolaus  Institute for Advanced Sustainability Studies, Germany</p>
16:45-17:00	<p><b>[O17.4] Making sense of 'exemplary' buildings: An interpretive account of four energy saving projects in Barcelona</b>  S. Moles-Grueso*<sup>1</sup>, L. Pugalis<sup>2</sup>  <sup>1</sup>Central European University, Hungary, <sup>2</sup>University of Technology Sydney, Australia</p>	<p><b>[O18.4] Crossing the national-local 'gap': Using multiple datasets to investigate the influence of local and national identities upon the social acceptance of energy infrastructure</b>  P. Devine-Wright*<sup>1</sup>, S. Batel<sup>1</sup>  <sup>1</sup>University of Exeter, UK, <sup>2</sup>University Institute of Lisbon, Portugal</p>
17:00-17:15	<p><b>[O17.5] Peer-to-peer energy futures - A socio-cultural vision for the era of renewables</b>  J. Ruotsalainen<sup>1</sup>, M. Child<sup>2</sup>, S. Heinonen<sup>1</sup>, J. Karjalainen*<sup>1</sup>  <sup>1</sup>University of Turku, Finland, <sup>2</sup>Lappeenranta University of Technology, Finland</p>	<p><b>[O18.5] The role of trust, motives, and uncertainty within local renewable energy initiatives: A mixed methods approach</b>  F. Goedkoop*, J. Dijkstra, A. Flache  University of Groningen, The Netherlands</p>
17:15-17:30	<p><b>[O17.6] Practice theory vs behavioural economics: A policy maker's perspective</b>  S. Hampton*<sup>1</sup>, A. Roberts<sup>1</sup>  <sup>1</sup>Oxford University, UK, <sup>2</sup>Department for Business, Energy &amp; Industrial Strategy, UK</p>	<p><b>[O18.6] Transcending traditional non-technological barriers frameworks - Insights from thermal energy storage and citizen awareness</b>  R. Carbajo*, L.F. Cabeza  University of Lleida, Spain</p>
17:30-17:45	<p><b>[O17.7] Energy ambivalent research: The case of later life leisure travel</b>  R. Hitchings*<sup>1</sup>, R. Day<sup>2</sup>  <sup>1</sup>UCL, UK, <sup>2</sup>Birmingham University, UK</p>	<p><b>[O18.7] Shifting relationships with self, place, community and technology: Case studies of community owned wind energy projects</b>  J. Hicks<sup>1</sup></p>

		<sup>1</sup> University of New South Wales, Australia, <sup>2</sup> Community Power Agency, Australia
17:45-18:00	<b>[O17.8] Theorising the grid</b> D. van der Horst University of Edinburgh, UK	<b>[O18.8] Localising the water-energy-food nexus: How are local level sustainable energy projects linked to water and food issues in the global south?</b> J. Terrapon-Pfaff*, W. Ortiz, C. Dienst, M-C. Gröne Wuppertal Institut für Klima, Germany
19:00-22:00	<b>Conference Dinner (Ticket Holders Only)</b> Location: Can Laury Restaurant	

Wednesday 5 <sup>th</sup> April 2017		
<b>Room</b>	<b>Room: Tramuntana 2&amp;3</b> <b>Session Chair:</b>	
<b>08:00-08:45</b>	<b>[K6] TBC</b> Michael Jefferson, ESCP Europe Business School & University of Buckingham, UK	
<b>Rooms</b>	<b>Tramuntana 2&amp;3</b>	<b>Garbi</b>
<b>08:45-10:00</b>	<b>Session 19: Rethinking Risk and Transition Pathways</b> Session Chair: Jenny Lieu, University of Exeter, UK	<b>Session 20: Energy Consumption and User Behavior</b> Session Chair: Scott Valentine, National University of Singapore, Singapore
08:45-09:00	<b>[O19.1] The role of behavioural changes in the climate change mitigation portfolio</b> D.J. van de Ven*, M. Gonzalez-Eguino, I. Arto Basque Centre for Climate Change, Spain	<b>[O20.1] The behavioural determinants of household energy use: A review of quantitative experimental studies</b> W. Abrahamse Victoria University of Wellington, New Zealand
09:00-09:15	<b>[O19.2] Risk and energy poverty: Evidence from Chile</b> L.E. Gonzales*, R. Cerda Clapes UC, Chile	<b>[O20.2] Moving from the rational actor to the reflexive participant: Using the "design space" survey approach to observe preference formation for low-carbon innovations</b> J. Axsen Simon Fraser University, Canada
09:15-09:30	<b>[O19.3] Solar PV in the Netherlands: For the people or by the people? - Assessing the impacts of different routes for rapid solar PV expansion in the Netherlands</b> K. Szendrei*, W. van der Gaast JIN Climate and Sustainability, The Netherlands	<b>[O20.3] Occupants' behaviour and energy consumption: From model to reality</b> M. Pellegrino* <sup>1</sup> , M. Simonetti <sup>2</sup> , G. Chiesa <sup>1</sup> <sup>1</sup> University of Paris-Est Marne-la-Vallée, France, <sup>2</sup> Polytechnic of Turin, Italy, <sup>3</sup> Polytechnic of Turin, Italy
09:30-09:45	<b>[O19.4] ESQAPE: A Fuzzy Cognitive Mapping decision support tool for evaluating climate policy</b> A. Nikas*, E. Ntanos, H. Doukas NTUA, Greece	<b>[O20.4] Integrating users in the development of energy services</b> E. Hoffmann*, F. Mohaupt Institute for Ecological Economy research, Germany
09:45-10:00	<b>[O19.5] Agency and power in energy transitions in Kenya and Indonesia</b> O. Johnson*, T. Devisscher Stockholm Environment Institute, Sweden	<b>[O20.5] Trials and tribulations of monitoring domestic energy consumption in a large-scale, longitudinal interdisciplinary study</b> V.J.A. Haines*, A. Morton, D. Allinson, J. Beckhelling, A. Beizaee, D.L. Loveday, K.J. Lomas Loughborough University, UK
<b>10:00-10:30</b>	<b>Refreshment Break &amp; Poster Viewing   Room: Tramuntana 1</b>	
<b>11:00-12:30</b>	<b>Session 21: Energy Narratives, Discourses and Frames</b> Session Chair: Mithra Moezzi, QQForward/Ghoulam Research, USA	<b>Session 22: Energy Transitions, Lock-in and Incumbency</b> Session Chair: Florian Kern, University of Sussex, UK
10:30-10:45	<b>[O21.1] The solar imaginary: Towards a social energy systems approach to community renewable energy</b>	<b>Panel 5: Reconsidering the timing of energy transitions</b>

	<p><b>projects in the global south</b> J. Cloke*<sup>1</sup>, A. Mohr<sup>2</sup>, E. Brown<sup>1</sup> <sup>1</sup>Loughborough University, UK, <sup>2</sup>Nottingham University, UK</p>	<p><b>[PAN5.1] How long will it take? The temporal dynamics of energy transitions</b> B.K. Sovacool University of Sussex, UK</p>
10:45-11:00	<p><b>[O21.2] Creativity through stories in energy and climate change research</b> M. Moezzi*<sup>1,3</sup>, K.B. Janda<sup>2</sup>, S. Rotmann<sup>4</sup> <sup>1</sup>Portland State University, USA, <sup>2</sup>Oxford University, UK, <sup>3</sup>QQForward, USA, <sup>4</sup>TK, New Zealand</p>	<p><b>[PAN5.2] The pace of governed energy transitions: agency, international dynamics and global policy accelerating decarbonisation processes?</b> F. Kern*, K.S. Rogge University of Sussex, UK</p>
11:00-11:15	<p><b>[O21.3] Uncertainty, public values and deliberating energy futures in the UK</b> N. Pidgeon*<sup>1</sup>, C. Demski<sup>1</sup>, C. Butler<sup>2</sup>, K. Parkhill<sup>3</sup>, A. Spence<sup>4</sup> <sup>1</sup>Cardiff University, UK, <sup>2</sup>Exeter University, UK, <sup>3</sup>University of York, UK, <sup>4</sup>University of Nottingham, UK</p>	<p><b>[PAN5.3] Getting realistic about the challenges of a global energy transition and policy aims</b> M. Jefferson University of Buckingham, UK</p>
11:15-11:30	<p><b>[O21.4] A discursive-institutionalist analysis of energy innovation on the demand-side</b> L. Brinker University of Oxford, UK</p>	<p><b>[O22.1] Evidence from historical waves of techno-economic change for a sustainable low carbon transition</b> T. Foxon University of Sussex, UK</p>
11:30-11:45	<p><b>[O21.5] Achieving transitions in UK energy and material use: Public deliberations of a low material future</b> C. Cherry*, N. Pidgeon Cardiff University, UK</p>	<p><b>[O22.2] A more resource efficient and climate neutral electric energy system by 2030: Views of Finnish and Nordic experts</b> S. Kilpeläinen*, P. Aalto, P. Lehtonen, A.M. Oksa, P. Toivanen University of Tampere, Finland</p>
11:45-12:00	<p><b>[O21.6] Framing successful commercial scale post combustion carbon capture and storage</b> M. Hurlbert*<sup>1</sup>, O. Osayomwanbor<sup>1</sup>, C. Shuba<sup>1</sup> <sup>1</sup>Johnson Shoyama Graduate School of Public Policy, Canada, <sup>2</sup>University of Regina, Canada</p>	<p><b>[O22.3] Drifting into a crisis-regime resistance and stability: A case study on South Africa's electricity system</b> B. Ting University of Sussex, UK</p>
12:00-12:15	<p><b>[O21.7] Framing in renewable energy policies: A glossary</b> M. Wolsink University of Amsterdam, The Netherlands</p>	<p><b>[O22.4] The contested elements of accelerated sustainable energy transitions</b> L. Delina<sup>1</sup> <sup>1</sup>Boston University, USA, <sup>2</sup>LMU, Germany</p>
12:15-12:30	<p><b>[O21.8] Blowing policy bubbles: Rethinking emissions targets and renewable energy policies in the UK</b> R. Gillard*<sup>1,2</sup>, K. Lock<sup>1</sup> <sup>1</sup>University of Leeds, UK, <sup>2</sup>University of York, UK</p>	<p><b>[O22.5] Governing for municipal energy transitions: Knowledge, scale and capacity</b> C. Kuzemko University of Warwick, UK</p>
12:30-12:40	<p><b>Conference closing</b></p>	