

Conference Theme

Energy use in the industrial age has largely been a passive affair. Both businesses and household consumers have flicked switches, turned knobs or started engines without knowing or wanting to know much about how energy is being delivered to them, provided that it is available when they want it and doesn't cost too much. But is this characteristic of energy use about to change dramatically?

The 2018 two-day research conference will consider how the interactions between consumers and energy systems will be affected by: environmental, social and economic priorities; new energy supply and use technologies; the marriage of energy networks and communication technologies; innovative business models; and changing consumer energy aspirations and practices. Developments in the UK, wider EU and further afield may show similar trends, but there could also be national and regional differences.

Parallel Sessions Topics

Consumers at the Heart of the Energy System?

- **Consumers and the networks:** demand side response and aggregators; heavy industry as large consumers; role of storage; paying for networks; transmission; network balancing and frequency response; pricing, markets and regulation; consumer policy; renewable heat; energy and communities; prosumers
- **Consumer energy prices:** wholesale, transmission and distribution, supply and policy costs; Brexit and the Emissions Trading System
- **Consumer opinions:** perceptions, trust in suppliers and behaviour

New Technologies and Services

- **Smart energy systems:** and components in business and at home: batteries and other storage technologies; metering and displays; smart appliances and controls
- **Energy efficiency:** technology; behaviour; regulation; skills; finance; standards (including post-Brexit); rebound
- **Heat technologies and fuels:** district heating; heat pumps; bioenergy; hydrogen; consumer perceptions and implications; gas demand; infrastructure; business models; new consumer services
- **Transport:** infrastructure and EV rate of deployment; oil demand; other fuels – hydrogen, biofuels, CNG; business models; new consumer services

Impacts and Implications of a Consumer-Driven Energy System

- **Industry response to engaged consumers:** business models, innovation and disruption; the future of electricity incumbents and fossil fuel providers; industrial policy and strategy; experience from other sectors; experience from other countries
- **Energy use and distributional issues:** fuel poverty; phasing out subsidies; winners/losers; energy access; community energy
- **Big data:** data protection and privacy – who benefits? Control by consumers, supply companies or automation?
- **Consumers and decarbonisation:** impact on future pathways, new options
- **The consumer and international affairs:** role in deep decarbonisation, the SDGs and global energy markets

Formats

Submissions invited for

- **Paper presentations** which can be academic papers, practical case studies or comment on current energy policy, economics or finance issues
- **‘Dialogue’ sessions.** A new, interactive format which allows for broader discussion of energy economics and policy issues.
- **‘Student Pitches’** for PhD and MSc students

Selection criteria will be a combination of quality, originality, relevance to the conference theme and for a mixed audience of practitioners and academics.

Guidelines

Submit your abstract

Key Dates 2018

**Abstract Submission Deadline:
March 1st 2018**

Notification of Outcome: w/c April 16th
Presenter Registration Deadline: June 18th
Paper Submission Deadline: August 31st
Presentation Deadline: September 11th
Conference: September 18-19th 2018

Contact

To receive further information about the conference please sign up for [email updates](#) and follow us on Twitter LinkedIn or Facebook

Email: Conference@biee.org

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Abstract [Submission](#)

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Conference Committee

Prof Paul Ekins (Chair), UCL
Sara Bell, Tempus Energy
Dr William Blyth, Oxford Energy Associates
Dr Peter Connor, University of Exeter
Tony Diccio, Energy Systems Catapult
Adrian Gault, The CCC
Dr Aaron Goater, The CCC
Prof Richard Green, Imperial College Business School
David Green, ICSE

Dr Matthew Hannon, University of Strathclyde
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Sam Hollister, Energy UK
Paro Konar-Thakkar, BEIS
Prof Matthew Leach, University of Surrey
Dr Nayzmiye Ozkan, Cranfield University
Dr Karoline Rogge, University of Sussex
Peter Stewart, Interfax
Prof Peter Taylor, University of Leeds
Jonathan Thurlwell, IPA Advisory
Lynsey Tinios, Shell

Outline Programme

	DAY 1 Tuesday September 18th 2018
10.30	Opening Address
	First Plenary Session
13.00	Lunch
14.00	First Parallel Session –Paper /Dialogue
15.30-16.00	Tea
16.00	Second Parallel Session Paper/Dialogue
17.30-18.00	Student Pitch Presentation Session
19.00	Drinks, St Anne’s College
20.00	Conference Dinner, St Anne’s College
	DAY 2 Wednesday September 19th 2018
08.00	Women in Energy Breakfast Session
09.00	Opening Address
09.30	Second Plenary Session
11.00	Coffee
11.30	Third Parallel Session – Paper /Dialogue
13.00	Lunch
14.00	Third Plenary Session
15.30	BIEE AGM
15.50	Tea
16.10	Close