



# Technology Options for the Energy Trilemma- Enabling Sustainability at an Affordable Cost

Thursday 1 June 2017, SCI, London, UK

## Synopsis

An affordable and sustainable solution to the energy trilemma is fundamental to the UK's prosperity. While today's energy generation and consumption depend on established technologies, new technologies will be needed to achieve the target of an 80% reduction in CO<sub>2</sub> emissions by 2050.

SCI's Energy Group is developing new perspectives on the energy trilemma by modelling alternative scenarios for the UK energy system which focus on the optimal use of available and emerging technologies. The modelling work is being conducted by Energy Technologies Institute (ETI) using its ESME energy model. The modelling outputs and conclusions will be used to provide an objective, evidence-based view on the role of science and innovation in the UK energy sector, which can be utilised in government consultations, and in turn inform regulatory and market incentives and investments.

The aim of this event is to discuss the results of Energy Group's modelling programme in the context of opportunities for decarbonisation of UK industry. Speakers will also discuss two key enablers of CO<sub>2</sub> reduction in the UK energy system: the capacity for CO<sub>2</sub> sequestration, and the increased reliance on bioenergy.

## Confirmed speakers

- **Opportunities around Decarbonising UK Industry**, Sharon Todd, Executive Director, SCI
- **The Outlook for CO<sub>2</sub> Sequestration**, Stuart Haszeldine, School of GeoSciences, Edinburgh University
- **Bioenergy Update**, Geraint Evans and Hannah Evans, Bioenergy Programme, Energy Technologies Institute

Registration will open at 17:00 and the speaker programme will start at 17:30

There will be a Panel Q&A at 19:00, followed by a drinks reception and networking at 19:30.

## Attendees

This event will be of interest to key business people and scientists involved in systems and projects for energy supply and consumption, as well as investment decision makers, estates managers and those with a stake in regulatory development. SCI Members and members of the public with an interest in the UK energy system will also find it of value.

## Registration

This event is free to attend.

To book online and for more information, visit: <http://bit.ly/2nsv925>

