

ROADSHOW

Energy and the City

Thursday 9 November

DoubleTree Hilton, Bracken Place, Chilworth, SO16 3RB

The UK needs to reduce CO₂ emissions by 80% by 2050 from the 1990 level. What city-level interventions – whether changing our infrastructure, behaviour or simply attitudes – could potentially lead to appropriate reductions? What are the implications of these interventions in terms of economics and people's wellbeing?

'Liveable Cities' is an umbrella name for an EPSRC (epsrc.ac.uk) research programme addressing these questions, carried out by the Universities of Southampton, UCL, Lancaster and Birmingham.

Liveable Cities is hosting a series of three roadshows, one in each of its case study cities: Southampton, Lancaster, and Birmingham. The purpose of the roadshows is to showcase the outcomes of the research and relevance within each city. Southampton's Roadshow addresses the challenges and opportunities of Energy and the City.

REGISTER

Free registration online at
energyandcities.org/roadshow



Places are limited, so please book early to avoid disappointment. For more information, please visit energy.soton.ac.uk

WHO SHOULD ATTEND?

The event is aimed at those involved with provision of energy and housing services; those involved in city planning, transportation, electrical power generation and distribution and also organizations concerned with addressing fuel poverty and promoting energy efficiency.

PROGRAMME

10.00 – 10.45: How much energy can we save from domestic retrofit?

A set of Geographic Information System (GIS) tools based on simplified building energy models have been developed and applied to every domestic building in Southampton, exploring different levels of energy saving intervention.

11.00 – 11.45: Thermal comfort, energy saving and rebound in social housing retrofit

Results of several studies in Southampton and Portsmouth including refurbished tower blocks, district heating schemes and boiler replacement for houses.

12.00 – 12.30: How much electrical power can we generate from rooftop solar panels?

A GIS-based tool has been developed to assess rooftop solar PV potential and applied to Southampton. This tool will be demonstrated in the session.

12.30 – 13.30: Lunch and exhibition

During the buffet lunch, a series of displays will illustrate the results of research projects carried out as part of Liveable Cities in Southampton. Researchers will be on hand to informally answer questions and discuss the results.

13.30 – 14.15: A longitudinal field study of energy and wellbeing in private housing

Results of a 2+ year field study involving over 200 households in Southampton covering transport and home energy use along with monitoring of CO₂ and other parameters.

14.30 – 15.15: Rezoning the industrial waterfront

A historical legacy of waterfront industrial zones provides jobs but prevents access to Southampton's riverscape, both physically and visually. How can the rezoning of these areas address the challenges of Southampton as a whole?

15.30 – 16.00: Discussion and feedback

Wrap-up session with a chance to have your say on the issues discussed during the day. In small groups followed by plenary session.

CONTACT

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