

## ESRC Seminar Series - Modelling on the Move: Towards Sustainable Transport Systems

Launch Event: Friday 7th December, St Anne's College, Oxford

This event launches an ESRC seminar series (*Modelling on the Move*, [www.modellingonthemove.org](http://www.modellingonthemove.org)) focusing on transport modelling in the context of the need for systemic transitions. The launch event will explore changing approaches to modelling and draw attention to key issues to be tackled, many of which still remain missing and marginal. We are working with an inclusive definition of transport modelling, covering traditional and newer tools and methodologies; including cost-benefit analysis, GIS-based modelling and the use of 'Big Data', health impact modelling, forecasting and backcasting.

The launch event covers both the changing approaches used within transport modelling and the broader context of transport, including challenges and co-benefits. The intended audience does not only comprise modelling specialists, but also includes people from related areas (academics and practitioners) interested in contributing to transport modelling. Proceedings will be audio recorded and audio and slides placed on the website, for those who cannot make the launch. The event inaugurates a network involving further five events on specific transport modelling topics; including public health approaches, the use of qualitative data, cultural and political contexts of modelling, practitioner engagement, and public involvement.

Outline:

9:45 coffee

10:15-10:30 **Welcome** - Dr. Rachel Aldred, Westminster University Department of Planning and Transport

10:30-12:00 **Towards Sustainable Transport Systems: Challenges and Co-Benefits #1**

The aim of the first two sessions is to explore four key trends or issues that will shape and constrain future transport systems; considering co-benefits as well as challenges. The first session will explore (a) the threat of climate change and the need for transport systems to cut carbon and (b) how new approaches to measuring economic and social well-being might contribute to understanding implications of changes in societal mobility patterns.

Environment and Economy (two presentations of 20-25 minutes each + Q&A)

*Low Carbon Transport Futures* – Professor David Banister, Oxford Transport Studies Unit

*Planning for Well-Being* – Saamah Abdallah, New Economics Foundation

12:00-12:50 lunch

12:50-2:20 **Towards Sustainable Transport Systems: Challenges and Co-Benefits #2**

The second session will focus on (a) the health impacts of transport and how transport modelling could contribute to assessing and addressing health challenges and (b) how transport studies and transport modelling can better respond to equity issues related to transport systems.

Health and Equity (two presentations of 20-25 minutes each + Q&A)

*Social Justice and Transport* – Dr. Karen Lucas, Oxford Transport Studies Unit

*Health and Transport* – Dr. James Woodcock, Centre for Diet and Activity Research

2:20-2:45 tea/coffee

2:45-4:15 **Transport Modelling – Past/Present/Future** (two presentations of 30 minutes each + Q&A)

These talks will focus on changing approaches to transport modelling. They will cover reasons why it has developed in this way, and factors that have shaped, could or should shape, the uptake of new developments or new approaches. The aim is to provide a critical overview of changes in transport modelling, with reference to social, economic, technological and environmental contexts.

**Speakers**

Professor Peter Jones, UCL – *Conceptualising travel behaviour: traditional approaches and new directions.*

Professor Mike Batty, UCL CASA *City Planning and Complexity: implications for modelling.*

4:15 summing up, further events

4:30 close, informal networking