

**Institute for
Transport Studies**



UNIVERSITY OF LEEDS

Introduction to SATURN

14-16 September 2010

Continuing
Professional
Development

IITS

Introduction to SATURN

14-16 September 2010

Course fee: £750

This course introduces SATURN (Simulation and Assignment of Traffic to Urban Road Networks) software. Participants explore the features of the latest software release through practical exercises incorporating significant hands-on experience.

The course has been developed in conjunction with experienced practitioners from the sector, including the Greater Manchester Transportation Unit (GMTU). It covers the theoretical principles underlying the model; the mechanics of network building; running the programs and analysing the outputs; the issues of calibration and validation; forecasting and appraisal for new developments and road schemes; and presents evidence from real life studies.

It is suitable for those who have little familiarity with, or no formal training in, SATURN and for anyone wishing to understand the principles of congested network assignment models.

Outline programme

- Introduction
- Assignment
- Simulation
- Network Building 1: Data Collection
- Network Building 2: Coding
- The Assignment-Simulation Loop
- Calibration and Validation
- Use of Interactive Graphical Analysis (PIX)
- Applications of SATURN 1: Forecasting for Developments and Road Schemes
- Applications of SATURN 2: Introduction to Appraisal (Tuba etc.)

The course will be led by Dirck Van Vliet, with other expert contributions from GMTU, Highways Agency and ITS. For further information about the course content or its relevance to your work please contact Andrew Koh, tel: +44 (0)113 343 5345, email: a.koh@its.leeds.ac.uk

Further information & how to book

The course will be held in ITS training facilities at the University of Leeds, Leeds LS2 9JT. The fee includes learning materials, lunch, refreshments and one course dinner. Overnight accommodation is not included, but details of local hotels are available on request.

The course is also available as bespoke or in-company training on a date and at a location chosen by the client organisation. Course bookings and other enquiries can be made via the Short Courses Co-ordinator using the contact details below:

