SATURN

Software Training

A Basic SATURN Course

This course provides an introduction to SATURN (Simulation and Assignment of Traffic to Urban Road Networks), its software and common applications.

Participants will explore the features of the latest software release through practical exercises including hands-on experience. All participants are required to have their own computer onto which the latest version of SATURN can be loaded from a USB memory stick.

The course 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.

Who Should Attend?

The course 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.

Course Date, Fee and Venue

Course Date: 04 and 05 July 2013 (Thu & Fri)

Course Fee: $500 plus GST per person
The fee includes learning materials, refreshments and lunch. Overnight accommodation is not included, but details of local hotels are available on request.

Course Venue: 32 Cordelia Street, South Brisbane (SKM Brisbane Office)

Registration

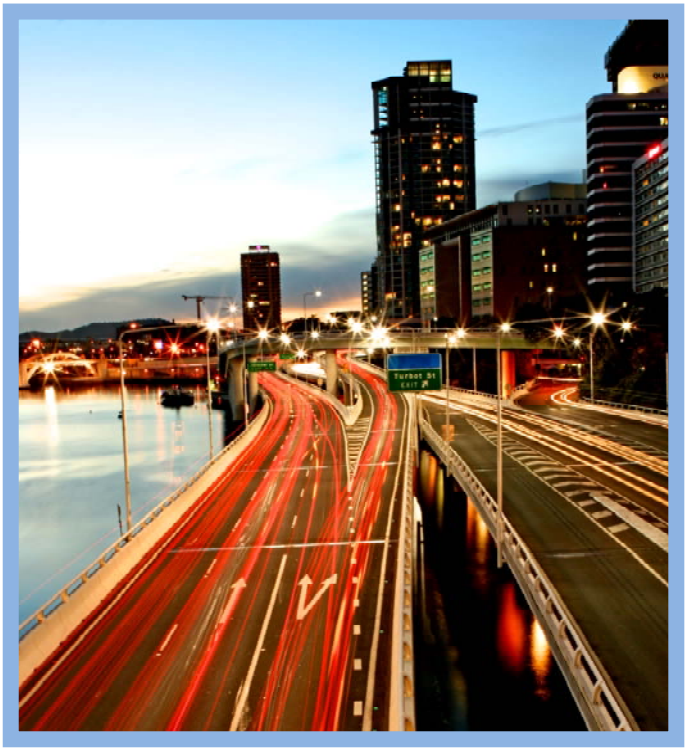
Please email your preferred course date and name to SATURN@MetisHT.com to register your interest.

Further Information

The course will be led by John Carlisle, with support from Teck Kean Chin. John has specialised in SATURN modelling since 1984 and is the agent for SATURN software in Australia. He provides a central contact for questions and suggestions from users, and organises and presents training courses at regular intervals.

For further information about the course, please email: SATURN@MetisHT.com.

The course is also available as bespoke or in-company training on a date and at a location chosen by the client.



Programme Outline

The course will cover the following topics:

DAY ONE

- Introduction to SATURN: Principles and Programs
- Building and Coding Buffer Networks
- FCF, SBT and Spider Networks
- Building and Coding Simulation Networks
- P1X: Display and Analysis of Results; Detecting/Correcting Network Coding Errors

DAY TWO

- Assignment – Introduction and Review
- Elastic Assignment – Basic Introduction
- Origin Based Assignment – Basic Introduction
- Matrix Building and Manipulation (MX)
- Matrix Estimation – Introduction and Application
- Multiple Time Period Models
- Practical Network Coding and Usage
- Other Applications and Conclusion

JOHN CARLISLE CONSULTING METiS

A PO Box 10800 Brisbane Adelaide Street QLD 4000
T +61 7 3103 2233 **E** Contact@MetisHT.com **W** www.MetisHT.com

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