LinSig3.2 : SCATS Modelling Workshop Australia and New Zealand

Duration: 2 days

Overview

Accurate LinSig modelling is fundamental to traffic signal design, transport assessments for development and detailed studies where traffic signal junctions are a major determinant of transport outcomes.

This intensive course covers the use of LinSig 3.2 to model traffic signal junctions and networks. It starts from first principles including Signal Groups, Phases, Clearance Times and Pedestrian Protection and then moves quickly on to examine network building, Route based and Lane Based modelling, SCATS flow import, matrix estimation, the use of cyclic flow profiles and modelling buses. The course is computer based with practical workshop exercises based on real junctions in Australia and New Zealand used throughout.

Who Should Attend

This course is suitable for anyone who uses or will use LinSig for modelling traffic signal junctions and networks and who requires a comprehensive base of knowledge to ensure their modelling is robust and accurate.

Pre-requisites

Delegates are expected to have a basic understanding of how traffic signals work and know what is meant by terms such as Signal Group, Phase and Clearance Time, a brief recap on Saturation Flow, Degree of Saturation and Practical Reserve Capacity is included in the programme.

No prior knowledge or experience of LinSig is required.

Course Content

Since 1985, LinSig has been the industry standard modelling software for traffic signal design and assessment in the UK. In 2009 LinSig 3.2 added the ability to model networks and introduced a SCATS controller model which has been refined over the years to accurately represent Signal Groups, Phases, Clearance Times, Pedestrian Protection and SCATS flow import. This two day workshop is key training for anyone new to LinSig who needs to produce efficient and accurate modelling as part of traffic signal design or transport assessments.

The course involves extensive computer usage and covers the following topics:

Day 1

Overview of main LinSig3 & SCATS Based features including lane based modelling, short lane control and blocking, assignment of flows to lanes and routes, comprehensive modelling of traffic signal controllers, pedestrian links, flows, delays and crossing times.

Day 2

Modelling networks including the creation of networks from individual models, importing SCATS data and matrix estimation.

Using LinSig as a design tool.

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LinSig House,
Deepdale Enterprise Park,
Nettleham, Lincoln
LN2 2LL

tel: +44 (0)1522 751010
fax +44 (0)1522 751188

e: courses@jctconsultancy.co.uk
w: www.jctconsultancy.co.uk

Accreditation

All JCT courses are Approved or are pending Approval by the Institute of Highway Engineers and attendance is therefore recognised by the IHE and many other bodies as evidence of Continual Professional Development (CPD).

Courses are managed under a ISO9001 Quality Management System.

The information presented here is kept as accurate and up to date as possible, nevertheless, course arrangements are sometimes changed and we advise all delegates to check the website or contact us directly to confirm course details a few days before courses start. All course prices include tuition, lunch and refreshments, however, accommodation is excluded from course prices except where indicated. All prices exclude VAT, GST, or other sales tax as applicable.

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