LinSig3.2 : SCATS Modelling Workshop Australia and New Zealand

Monday 18th February 2019

Perth, Saxons Training Facilities, Australia

Duration: 2 days
Price: AU$1680 (exc. VAT)

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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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.

Dates & Times

This course will run from Monday 18th February 2019 and last for 2 days.

The following schedule should apply although all times are provisional and subject to change as required on the day:

Day 1: 09:00 - 17:00.

Day 2: 09:00 - 17:00.

Course Venue

Venue: Perth, Saxons Training Facilities, Australia

Location: Perth

Venue website: www.saxons.com.au

Address of venue: Level 1, 140 St Georges Terrace, Perth, WA 6000, Australia

Venue postcode: WA 6000

Course Tutors

Depending upon scheduling constraints, our course tutors will sometimes split tuition between them or teach a given course in its entirety whilst the other is unavailable. Please contact us directly if you need more specific detail about who will be teaching a specific course.

Course tutor: John Nightingale MSc(Eng), CEng FIHE MCIHT

The information presented here is kept as accurate and up to date as possible, nevertheless, this document is static and cannot be updated if any changes to the course arrangements are made. We make every effort to inform our delegates if we have to make any cancellations and if any changes are made to the venue or schedule. We also advise all delegates to check the website or contact us directly to confirm course details a few days before the course starts.

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