LinSig3 : Junction Modelling Computer Workshop

Tuesday 4th July 2017

JCT Offices, Lincoln

Duration: 2 days
Price: £445 (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 course covers the use of LinSig 3 to model traffic signal junctions and is essential for LinSig users wishing to ensure robust and correct modelling. It starts from first principles and concentrates on the use of LinSig for modelling single junctions as well as providing a stepping stone to the LinSig Networks and Advanced features workshop. The course is computer based with practical workshop exercises being used throughout.

Who Should Attend

This course is suitable for anyone who uses or will use LinSig for modelling traffic signal junctions and who requires a comprehensive base of knowledge to ensure their modelling is robust and accurate. As well as being suitable for those new to LinSig it is also suitable as a refresher course for those whose LinSig experience may be with previous versions or otherwise out of date. The course is also appropriate for anyone who, whilst not building models themselves, are required to authorise or audit models submitted by others.

Pre-requisites

Delegates are expected to have a basic understanding of how traffic signals work and know what is meant by terms such as phase, stage, intergreen, saturation flow and capacity. This and much more can be gained by either attending the JCT Introduction to Traffic Signals 2 day course or the one day JCT Essentials of Traffic Signals for Modellers. These courses are usually held immediately prior to each LinSig Junction Modelling Workshop, and can be attended as part of a discounted training bundle.

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. 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 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

Handling more complicated signal sequences with optimisation of interstage periods using phase delays, and interaction with phase minimum greens.Certain limitations of controllers as addressed by LinSig3 are illustrated and explained.

jct consultancy

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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 Tuesday 4th July 2017 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: 09.15 - 17.00.

Day 2: 09.15 - 17.00.

Course Venue

Venue: JCT Offices, Lincoln

Location: Lincoln

Venue website: www.jctconsultancy.co.uk

Address of venue: JCT Consultancy Ltd.
LinSig House
Deepdale Enterprise Park
Nettleham
Lincoln

Venue postcode: LN2 2LL

How to get there:

Office Directions by Road:

Description of venue:

New purpose built offices and training facility, just off the A46, 2 miles to the NE of Lincoln.

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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