LinSig3 : Junction Modelling Computer Workshop

Duration: 2 days

Scheduled Courses

- London - venue tba, from 23rd October 2024, £850

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it is also suitable as a refresher course for those whose LinSig experience may be with previous versions or otherwise out of date.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.

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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