LinSig3 : Online Networks Computer Workshop
Friday 26th February 2021
Online

Duration: 1 day
Price: £310 (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 extends the capabilities of LinSig Junction Modellers to model highway networks containing traffic signal junctions and priority junctions with practical workshop exercises being used throughout. The course is delivered in a virtual training lab with students accessing and using LinSig via an HTML5 browser. Full printed notes are provided along comprehensive joining instructions, UK customers will also be provided with a free headset (sadly we cannot ship headsets overseas). As the course is delivered online students must have access to a fast and reliable internet link (preferably ethernet) but connection speeds will be checked as part of the joining set up.

Who Should Attend

This course is suitable for anyone who requires a more in depth knowledge of LinSig or wishes to model networks using LinSig and wishes to ensure their modelling is robust and accurate.

As well as being suitable for those who have recently completed the LinSig 3 Junction Modelling Workshop it is also suitable for experienced LinSig users who wish to ensure they are up to date with the many network modelling features added to LinSig since the release of LinSig 3.2

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 1 day JCT Basic Introduction to Traffic Signals.

Delegates should also have sufficient knowledge or experience of LinSig 3 to be able to at least build a LinSig 3 model of a single junction. LinSig junction model building skills can be attained by attending the LinSig3 Junction Modelling Workshop.

Course Content

Understanding Cyclic Flow profiles in the context of a complicated double junction and applying cruise times, platoon dispersion and platoon compression.

Vehicle movements through successive stop lines with explanations of coordination, flow graphs, queue graphs and platoon dispersion.

Using LinSig3 give-way parameters to model priority junctions and also conventional roundabouts on a lane by lane basis.

Larger networks of junctions with multiple controllers.

Importing and merging LinSig 3 models.

Matrix estimation from junction counts, delay based assignment and checking of

routes through networks.

Modelling Buses and Cycles

Blocking back and the use of Bonus Greens to represent Underutilised Green and Demand Dependency

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.

Additional Information

Bookings for this course will close 1 week prior to the start date to allow sufficient time to post the training course materials and check the technical requirements.

Dates & Times

This course will run from Friday 26th February 2021 and last for 1 day.

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.

Course Venue

Venue: Online

Location: Online

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.