

# **LinSig3 : Junction Modelling Computer Workshop**

**Tuesday 28th March 2017**  
**Edinburgh - Jurys Inn**

Duration: 2 days

Price: £565 (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it is also suitable as a refresher course for those whose LinSig experience may be with previous versions or otherwise out of date.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



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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](mailto:courses@jctconsultancy.co.uk)  
w: [www.jctconsultancy.co.uk](http://www.jctconsultancy.co.uk)**

periods using phase delays, and interaction with phase minimum greens. Certain limitations of controllers as addressed by LinSig3 are illustrated and explained.

### 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 28th March 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: Edinburgh - Jurys Inn

Location: Edinburgh

Venue website: [www.jurysinns.com/hotels/edinburgh](http://www.jurysinns.com/hotels/edinburgh)

Address of venue: 43 Jeffrey Street, Edinburgh

Venue postcode: EH1 1DH

### How to get there:

This hotel is easily accessible from all major transport points in the city.

From Waverley Station it's a 5 minute walk to the hotel. Exit via Market Street, cross the road onto Jeffrey Street and the hotel is 100 yards up on the right hand side.

From Edinburgh bus stations it's a 10-minute walk to the hotel. Turn left down St Andrews Square onto Princes Street, cross the road to Princess Mall and walk down Waverley Bridge. Turn left at the roundabout onto Market Street and walk past Edinburgh Dungeons (on the left hand side). When you reach the fork in the road, take the right fork (Jeffrey Street) and the hotel is 100 yards up on the right hand side.

From the motorway follow the A1 North into the heart of Edinburgh. Once in the city centre, follow the signs for Waverley Station.

The nearest car park is at Waverley Station car park located across the road from the hotel. Charges apply and are subject to change. Jurys Inn guests can avail of 25% off parking rates ? please ensure to have your ticket stamped at reception prior departure.

### Description of venue:

Jurys Inn is one of the most centrally positioned hotels in Edinburgh, located just off the famous Royal Mile on Jeffrey Street in the Old Town and surrounded by beautiful architecture. The hotel in Edinburgh is less than a two-minute walk from Waverley Train Station and a 5-minute walk to Edinburgh Bus Station.

### 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



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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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