

The Principles of Traffic and Transport Evening Lecture Series



Overview

The transportation system is being asked to play a greater role in society these days as we strive to move people, fuel the economy, be more energy efficient, and address the role of the automobile in climate change. These are broad themes that will affect the transportation profession for years to come, however at the 'street level' there is still the day-to-day of designing, operating, evaluating and improving the local transportation system in our cities and towns.

Whether you are new to the transport industry, are looking to refresh your knowledge on transport principles, or if you have taken on a new responsibility or are working in a 'niche area' and wish to broaden your knowledge, PTRC's 20 week evening lecture series offers a cost-effective and time-inexpensive training course that will benefit both the participating employees and their employers.

Structure

The series will consist of 20 lectures delivered by local experienced transport practitioners from consultancies, local authorities and governments, and academia who are experts in their field. Tutors will be encouraged to design interactive sessions to accompany their presentations and delegates are encouraged to participate and engage fully. Each lecture will run a full 1hr 30 minutes consisting of formal lectures, exercises/activities with plenty of time for discussion and questions. Attendance at these lectures may also open up opportunities for networking. Each lecture will cover a specific topic and the content has been developed as far as possible to encompass the typical principles of a transport scheme.

The programme has been designed to complement both the TPS Professional Development Scheme and the CIHT/TPS Transport Planning Professional (TPP) qualification enabling participants to gain knowledge across all the mandatory units.

Learning outcomes

At the end of the series, delegates will:

- Have an understanding of the various elements of the wider transport planning industry beyond their niche area of knowledge
- Understand the relevant institutional, legal and political policy context for transport policy
- Understand the roles, responsibilities and powers of highway, traffic and planning authorities
- Have knowledge of the basics of planning and designing traffic surveys and the role and importance of transport surveys
- Understand the concepts of speed, flow and capacity

Certificate of Attendance

Delegates attending a minimum of 80% of the lectures will be awarded a certificate of attendance. CPD Hours Each lecture attended will count as 1 hour CPD. This applies to delegates achieving a minimum of 80% attendance. Rover tickets are not eligible for the certificate.

Brief Summary of Programme*

Transport Policy Introduction: National, regional and local transport and land use policies

Delivering Transport Infrastructure: Legislation & Funding: Roles and responsibilities of Highways and Planning Authorities, Key highways and transport legislation (Highways Acts, Road Traffic Acts, Transport Acts), Key planning legislation (Town and Country Planning

Act, Planning and Compulsory Purchase Act, Planning Act), Other relevant legislation (Climate Change Act, Equalities Act), Funding and finance for transport schemes

Surveys: Common types of transport surveys, Emerging data collection techniques, Survey planning considerations, Welfare and health & safety, Interpreting survey data

Traffic Flow Speed and Capacity: Measuring flow and speed, Capacity, Speed flow relationships, Junction delays

Urban Street and Highway Design: Design principles, accessibility, movement and place, Design standards for signs, carriageway markings and lighting, Manual for Streets, Maintenance issues

Traffic Management: Traffic management techniques, The Road Traffic Regulation Act, The Traffic Management Act, New Roads and Streetworks Management Act, Bus priority, One way systems

Parking: Policy issues, Standards, Equipment, On and off street parking, Charging, Residents parking, Parking orders, Local authority enforcement

Traffic Signal Control: Justification, Capacity, Coordination, Special facilities, Pelican crossings, Cycle Crossings, Use of models, UTM, ITS, Information systems

Priority Junctions: Priority junctions, Roundabouts, Mini roundabouts, Signalled roundabouts, Use of models, Design standards, Capacity

Road Safety: UK safety record, Accident statistics and analysis, Costs of accidents, Safety audit, Remedial schemes and justification, Education, training and enforcement, Vulnerable road users

Designing for Cycling: Cycling in wider policy context, People's reasons for cycling, Barriers to cycling, Strategies to encourage cycling, Infrastructure design, Training, Wayfinding

Speed Management: Traffic calming, 20mph zones, Enforcement, Use of cameras, Home zones

Bus Coordination: Role of buses, Trends in use, Interchanges and information, Fares and Ticketing

Local Rail Issues: New stations, Station and interchange design, New services, Scheduling

Transport Modelling 1: Introduction to the use of models, Relevance of various models, Data requirements

Transport Modelling 2: The four stages of modelling, Pedestrian modelling and activity-based modelling

Transport Economics and Appraisal: Appraisal process, Cost benefit analysis, Framework appraisal, Environmental effects

Transport Assessments: What is a Transport Assessment? When is it required? National and local policy and guidance

Managing Demand: Definition of "soft measures", Travel awareness, Travel plans, School travel plans, Personalised travel planning, Congestion charging, Workplace charging levy, Freight

Participation in Transport Planning: Statutory consultation, Public engagement, Communications plans for transport schemes, Media relations

*PTRC will make all reasonable efforts to deliver the published programme, however it may be necessary to reorder some of the sessions from time to time. If this is the case, PTRC will aim to give as much notice as possible.

The Principles of Traffic and Transport 20-Week Evening Lecture Series

Location

Title	First Name	Surname
Position		
Organisation	Department	
Email		
Telephone		
Address		Post Code
Dietary or access requirements		

Attendance Fees (Please write amount)

Standard Rate _____ + VAT	CILT/Local Authority/Charity Rate _____ + VAT
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Method of Payment

Card Number	<input type="text"/>	CSV Code	<input type="text"/>	Expiry Date	<input type="text"/>
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Card Holder's name and address (if different from above)

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Invoice	Invoice name and address (if different from above)
Please attach a copy of your purchase order made payable to PTRC	

Cheque	Enclosed for £ _____ made payable to PTRC
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Name	Signature
Date		

Please return form to

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Sort Code: 20-45-77
Account No: 50536466



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Terms & Conditions

1 Registration Form Applications should be made on the official registration form. Photocopies are accepted. One form should be completed for each delegate attending the event. It is important that all sections are completed legibly. Delegates are advised to retain a copy of the registration form for reference before sending. **2 Fee** Fees include attendance at lectures, lecture notes, lunch and all refreshments unless otherwise indicated. Fees do not include overnight accommodation, breakfast and evening meals unless stated. **3 Acknowledgement** Receipt of a registration form will be acknowledged by email, delegates will be sent an invoice and an email of acknowledgement. Joining instructions, including a map, will be sent to each delegate by email approximately one week before the start of the event. **4 Payment** Unless otherwise stated payment in full must be made at the time of booking. All prices are exclusive of VAT, unless stated otherwise. **5 Cancellation** All cancellations, or alterations to a booking, must be received in writing. To avoid cancellation penalties, substitutes will be accepted at any time, if notified in writing and in advance of the event. Adjustments in fees will be made if there is any change in fee category. Cancellations received in writing up to 7 days before an event will be subject to an administration fee of £75 + VAT or the event delegate fee whichever is the lower. Cancellation within 7 days of the event date or a 'no show', will be liable for the full fee. **6 Disclaimer** PTRC reserves the right to vary the programme and to cancel an event if it is under subscribed or for any other reason. In the event of cancellation, where reasonably possible, PTRC aims to give delegates at least one week's notice and the fee will be refunded in full. PTRC will not be held liable for any pre-booked travel, accommodation or similar costs incurred under any circumstances whatsoever. **7 Data Protection** Details will be held on a database in accordance with the 1998 Data Protection Act. Information will be used for internal marketing purposes only and will not be shared with any external organisations.