

UWE & EPN CONSULTING

Short Course on INTELLIGENT TRANSPORT SYSTEMS and THEIR APPLICATIONS IN EU PROJECTS

UWE, Bristol – Friday, 8th July 2011

Theme

Description of how European Projects and Intelligent Transport Systems have improved the Transport sector in the last 20 years with an evolution from pure technology to sustainability. The European GALILEO satellites constellation is described as an opportunity of introducing added value services in Transport in the next decade. Special attention is paid to the importance of designing Advanced Travel Information Systems properly to stimulate behavioural changes.

The participation into projects co-funded by the European Commission (EC) is also a way of funding new initiatives that help introduce and consolidate sustainability in transport with a consequent improvement of the Environment protection and Quality of Life. Description of EC projects structures and how to prepare a good proposal are discussed and followed by examples of key EC projects that have shaped the future of ITS in Europe.



Aims/Objectives

- To give the audience a picture of the evolution of Transport concept in the last 20 years thanks to the application of Intelligent Transport Systems and how they can stimulate behavioural changes
- To present emerging research and development concepts in the design of Advanced Traveller Information Systems
- To give the audience description of the ITS services innovation introduced by the European GALILEO satellites constellation
- To give the audience information about what EC Projects are in practice and how they represent a good funding opportunity
- To give the audience examples of EC Projects in the ITS industry how they concur to improve Sustainability in Transport
- To give the audience information about current and future opportunities of EC ITS projects

Delegate Benefits

- Learning the basics of Intelligent Transport Systems and their applications into several areas of Transport
- Learning about the importance of European Projects as a way of promoting sustainable transport among the Society in its several components (Local Authorities, Public Transport and Logistic companies, citizens, etc.)
- Being aware of funding possibilities coming from the EU within the Sustainable Transport industry including human behaviour and climate changes topics
- Being informed on the state of the art in Sustainable Transport projects in order to avoid *re-inventing the wheel* when preparing an EC project proposal
- Having the opportunity to immediately clarify doubts or ask for further information during the Q&A at the end of each speech



Programme

9:30-10:00	Registration and welcome coffee
10:00-10:45	Introduction to Intelligent Transport Systems (ITS) <ul style="list-style-type: none"> • History • Features • Applications to Urban Transport • Application to Public Transport (inc. passengers multi-modality) • Application to Motorways • Application to Logistics (inc. freight multi-modality) • Application to Safety • Q&A
10:45-11:30	Advanced Travel information Systems (ATIS) <ul style="list-style-type: none"> • What are Advanced Traveller Information Systems? • How do we use travel information? • ATIS as a measure to change travel behaviour • 'Choice Architecture' in ATIS design • Q&A
11:30-12:15	The GALILEO Satellites constellation <ul style="list-style-type: none"> • An introduction to 'positioning systems' • The role of positioning systems in ITS • Behaviour change and positioning systems • Galileo, background and history so far • Comparing Galileo with GPS • Potential applications for Galileo • Q&A
12:15-12:30	Comments – End of Morning Session
12:30-13:30	Networking Lunch
13:30-14:15	ITS: Trends and Opportunities in the UK and EU markets <ul style="list-style-type: none"> • Why the EU ITS market is relevant to the UK South West region • Definition and Programmes (FP7, CIP, InterReg, Central Europe) • Structure • Management • Q&A
14:15-15:15	Selection of EU ITS Projects that have shaped the future of ITS in Europe <ul style="list-style-type: none"> • Urban Transport • Public Transport • Motorways • Logistics • Safety • Travel Behavioural Change and Carbon Footprints reduction • Q&A
15:15-15:30	Final Comments – End of Afternoon Session
15:30	Close and Networking Coffee



The Speakers

Dr Ing Stefano Mainero, CEO & Founder of EPN Consulting Limited, holds a 5-year degree in Electronics (Communications) Engineering awarded by the Politecnico di Torino university (Italy) and the Certificate of Proficiency in English by the University of Cambridge (UK). He speaks Italian, English, Spanish and French and he is member of several professional institutions in the UK, in Italy and in USA. Stefano has over 15-years experience in EC-funded projects dealing with Intelligent Transport Systems (ITS) and Sustainable Transport whose main ones are CIVITAS PLUS-RENAISSANCE (2008-09), SERTI-MIP (2001-06), SERTI (1999-2000), HANNIBAL (1999) and QUARTET PLUS (1997-98). Stefano is also a valued lecturer in a number of Universities in Italy and the UK as well as a recognised chairman and speaker in ITS & Transport conferences.

EPN Consulting is a threefold professional service: Consultancy, Innovative Network of Professionals, and Business Hub. The idea is to enhance the high professional values that exist across the entire European continent. In the current age the concept of omniscient person is no longer valid and organisations need more skills and expertise to win challenging business contracts to ensure a steady economic growth to help investment and improvement. Main areas of consultancy are European Projects, Intelligent Transport Systems (ITS), Sustainable Transport and Innovation.

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Dr Erel Avineri, is a Reader in Travel Behaviour at the Centre for Transport & Society at UWE. He received his degrees in Industrial Engineering and Management (B.Sc.) and Transportation Sciences (M.Sc., Ph.D.) from the Technion - Israel Institute of Technology. Dr Avineri is exploring what influences travel behaviour and road safety behaviour, how to predict it, and how to design measures to change behaviour. He explores behavioural responses to ITS and the use of 'Choice Architecture' in the design of Advanced Traveller Information Systems, and the use of 'nudges' to encourage behavioural change. Erel will draw on his experiences from projects including the EU funded CATCH project (Carbon Aware Travel CHOices in the climate-friendly world of tomorrow). For additional information on Dr Avineri's activities see <http://www.transport.uwe.ac.uk/staff/erel.asp>

Ian Shergold is a Research Associate at the Centre for Transport & Society at UWE. He is currently contributing to a number of research projects, including *Renaissance*, an evaluation of sustainable transport interventions in historic European cities (in this instance the City of Bath). This project, funded by the EU under its Civitas program, included plans to implement new real-time public transport management and information systems based on the European Galileo positioning system. Prior to this work, Ian has been associated with UWE since 2003 - both as a student, gaining a first in Environmental Management and Sustainability in 2006, and latterly as a researcher. His interest in ITS follows over twenty years developing (commercial) IT systems with major UK companies such as British Aerospace and the insurance company Royal and Sun Alliance.

The Centre for Transport & Society at UWE is an academic research group of more than 25 staff and research students with a social science focus. CTS aims to improve and promote understanding of the inherent links between lifestyles and personal travel in the context of continuing social and technological change. <http://www.transport.uwe.ac.uk/default.asp>



Application Form:

**Intelligent Transport Systems
Short Course
Friday 8 July 2011
University of the West of England, Frenchay, Bristol, BS16 1QY**

Name of delegate:	Position:	E.mail:
1)	1)	1)
2)	2)	2)
3)	3)	3)

Name of organisation:

Address:

Tel No: Fax No:

Contact email address:

Course fee: £130

Invoice required: yes / no

Name of person to whom invoice should be addressed:

Cheque Enclosed: yes / no
(Please make cheques payable to UWE)

If you are going to arrive by car, please provide car reg. no.:

Please specify any dietary requirements:

If disabled do you have any special requirements:

Please return application form *(with cheque if appropriate)* to:

**Short Course Administrator
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Travel information can be found at:

<http://www1.uwe.ac.uk/comingtouwe/campusesmapsandtravel/frenchaycampus.aspx>

For cancellations made within 7 days of the start date, a fee will be charged.

All cancellations should be made in writing.