



June 2012 Newsletter

Welcome to new Corporate Member [Nokia Location and Commerce](#)

Thank you to **Cambridgeshire County Council** for hosting the Cambridge Busway visit for Members, to **Dorset County Council** for hosting the visit to Weymouth, and to **Centro** for hosting our Public Transport Interest Group summer seminar.

ITS United Kingdom Calendar

9 July	Electric Vehicle Update - Smart Environment Interest Group Webinar
10 July	Freight Interest Group – EC Lorry Parking proposals . London E1
25-26 Sept	RTIC Conference joint with IET - London WC2

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ITS United Kingdom News



Cambridge guided bus way tour

ITS (UK) organised a visit to the Cambridge guided bus way for Members during May. The visit was hosted by Member Cambridgeshire County Council and expert and enthusiastic guidance was provided throughout. The party travelled on the guided bus way routes for several hours and was able to see many aspects of it in action. As could be seen, the services are very popular and heavily used even off peak.

See left for a view of the busway from the bus.

Olympic sailing event preparations at Weymouth

By invitation of Dorset County Council, a group of ITS (UK) Members visited Weymouth to see the preparations made for the Olympic sailing events which will be held there later in the summer. Dorset have made several very interesting presentations at ITS (UK) events about their Olympic work, but seeing the challenges imposed by geography for real made their issues even clearer. Getting the competitors, officials and spectators in and out of the venues will not be easy, but with the extensive work and ITS implementations already done, Dorset are in the best possible position to pull it off.



The ITS (UK) party misses the bus but enjoys the sunshine

News from Interest Groups

The ITS (UK) Road User Charging Interest Group joined with Intellect to present an afternoon seminar in London. With talks by Transport for London, DfT, and the Highways Agency, the event was highly informative. RUCIG members were able to meet the new DfT officer in charge of the lorry charging scheme, and Intellect members got a useful introduction to the practicalities of road tolling and of managed motorways. The seminar also enabled everybody to meet a new set of professional contacts. Intellect is the UK's professional association for those who work in IT.

Our Inclusive Mobility Interest Group held its summer meeting at ITS (UK)'s offices in London. Attendees were treated to a very interesting talk by Nick Illsley of Transport Direct about journey planning for disabled attendees to the Olympics. Everybody present appreciated Nick's effort in finding the time to come along and speak so near the big event. Philip Barham also gave an overview of the ASSISTANT project. The Group also discussed future work it might undertake in the area of how ITS can support disabled and elderly travellers.

News from ITS (UK) Members

Mapping & Navigation

Envitia and Tactical Communications Group Announce Technology Alliance

Envitia and Tactical Communications Group (TCG) have entered a technology alliance that provides ongoing developments in next-generation mission critical systems worldwide. The partnership will continue to enable global defence organisations and the major defence contractors that serve these organizations to deliver standards-compliant, reliable, highly cost-effective tactical data link solutions.

“TCG has an excellent pedigree of providing innovative solutions and an understanding of how to meet complex data link needs,” says Robin Parish, Business Development Manager, Envitia. “We are delighted to announce a strategic relationship, it is exciting to see our technology utilized in solutions offering unique standards based and proven approach to geospatial data integration.

Envitia’s MapLink Pro SDK is the geospatial tactical display engine that powers TCG’s Battlefield Operations Support System (BOSS) and Ground Tactical Data Link System (GTS). LinkPRO is the implementing DLP in advanced military communications platforms. Using LinkPRO, major defense contractors and ground C2 systems providers can now easily embed high fidelity tactical data link capabilities into their systems and solutions and deliver standards-compliant TDL operational solutions to customers across the globe.

“TCG chose Envitia’s MapLink Pro because it offered the high performance and feature rich capabilities required by both our domestic and international customers,” said Steve Horsburgh, Director of Product Management, TCG.

“Through our strategic alliance with Envitia, we are able to provide clients with an advanced visualization of the battlefield. This allows TCG to continue to be the choice for major defence contractors, ground C2 system providers, and international defence agencies.”

Electric Vehicles

Climatecars connects with Siemens

A new fast charging point from Siemens is now in place at Climatecars in central London, an environmentally-friendly private hire car service offering an alternative to black taxis and minicabs. The Siemens CP500A fast charging point, which provides fast charging facilities for two electric vehicles at the same time, has been installed to charge a number of new 100% electric saloon cars with zero emissions which have recently been added to Climatecars’ low-carbon hybrid fleet.



Nicko Williamson, Managing Director of Climatecars, stated; “We are very excited about the introduction of zero emission electric vehicles to Climatecars’ fleet and in Siemens we have the ideal supplier of infrastructure support and service.” According to Mark Bonnor-Morris, Siemens Head of Electromobility UK and Ireland, the Siemens charging stations can fully charge vehicles in just one hour ensuring maximum vehicle availability. “Siemens also provides a full supply, installation and maintenance service. As the UK’s largest provider of traffic control and signalling equipment, we have a specialist field service operation that is able to support EV charging infrastructure as part of a much larger portfolio of work. This ensures that the EV chargers are maintained to a high and consistent service level ensuring the highest performance in terms of availability and safety.”

Enforcement & CCTV

Government grants Siemens SafeZone™ type approval

SafeZone™, Siemens' innovative approach to average speed enforcement, has been approved for deployment in the UK by the Home Office. A breakthrough in technology, SafeZone's advanced features and multiple deployment options make it an ideal road safety solution, using average speed enforcement in residential, city and rural environments.

Designed, developed and manufactured by Siemens, SafeZone is a modular system which combines proven ANPR technology with advanced data processing and back-office systems. Using Siemens' Sirocam cameras, SafeZone's compact and unobtrusive design minimises impact on the street and each camera can monitor two lanes of traffic in both directions, dramatically reducing the cost of deployment and system complexity.

Minimal infrastructure, wireless communications and compact cameras means that a system can be continually re-deployed into other areas. In

terms of evidential security, SafeZone pushes encryption technology past any other current speed camera: the system uses three layers of encryption to ensure that the data transferred to the remote station is secure. Significantly, the distance between each camera outstation has been approved to a minimum of just 75 metres, which means that average speed can be deployed as an effective alternative to existing analogue fixed speed camera sites and for larger deployment in networks and urban zones.



Helping local authorities introduce SafeZone, Siemens offers innovative and competitive finance through its banking operation Siemens Financial Services (SFS). Such schemes include customised lease or rental arrangements to assist in providing equipment prior to budgets being made available or by stretching available funds. Within the SafeZone environment, the goal is to construct an individual and ideally self-financing solution based upon locally retained residual funds arising from Driver Awareness course participation. In 2011, SafeZone won the Highways Magazine Excellence Award for a Road Safety Scheme. This followed a successful six month trial aimed at reducing vehicle speeds outside Springdale First School in Poole, UK. In addition to reducing the number of speeding vehicles from 64 to as low as 16 (at

speeds above 40mph in each hour before and after school), the trial, which was not enforced, gained the full support of the local community including the school, parents, local residents, Borough of Poole, Dorset County Council and Dorset Road Safe.

Smart CCTV Company News

The last few months have been very successful for us with work from a number of major contracts.

These include, amongst others, an upgrade to the physical and electronic security systems on a major item of critical infrastructure, on the Highways Agency network. This project involves interfaces with the Regional Control Centre and the Area MAC to provide real time alerts.

We have also secured a major tunnel Video Incident Detection system contract.

We are upgrading the existing Citilog VisioPad system installed in three tunnels on the A55 in North Wales to the latest VisioPad+ software. VisioPad+ offers the benefits of MediaTunnel running on PTZ cameras while they are



in their home position and the existing alerts within the VisioPad software when the cameras are viewing outside their home position.

We are also working on a couple of 3G based CCTV projects.

London Games 2012

Drivers urged to plan ahead of the Games

An online tool is now available to help road users see which roads will be affected by the London 2012 Games. The Temporary Road Changes planning tool includes information about the Olympic and Paralympic Route Networks (ORN and PRN), plus any details of road events taking place.

More information, including details of traffic management around the road events routes and venues, is set to be added early next month.

During the entire Games period, roads in central London and around Games venues - the 'hotspot' locations - will be much busier than usual.

Transport for London (TfL) has advised that:

- Motorists should avoid central London, the ORN, PRN and venues for the duration of the Games
- Motorists should also avoid the areas around the Games road event courses on competition days
- Every day of the Games will be different, so plan ahead and allow more time for journeys

Garrett Emmerson, TfL's Chief Operating Officer, Surface Transport, said: 'TfL is doing everything it can to make sure people are aware of, and can comply with, the changes that will be made to London's roads during the Games.'

'Roads in central London and around venues will be exceptionally busy during the Games. The Temporary Road Changes tool means roads users can see where there will be changes to the road network, allowing them to plan ahead.'

'Our advice is to avoid driving in central London and around the ORN and venues or, if journeys are absolutely essential, to plan ahead and allow extra time.'

To use the online tool and avoid road hotspots during the Games, visit the [Get Ahead of the Games website](#)

Open Data

Plans to establish Open Data Institute published

The government's vision to establish a world-leading centre to drive innovation and growth, through exploiting the opportunities created by their Open Data policy, came closer to reality today with the publication of plans to establish an Open Data Institute in London.

The Open Data Institute (ODI - theodi.org), the first of its kind in the world, will become the 'go to' venue for those seeking to create new products, entrepreneurial opportunities and economic growth from Open Data. The initial focus will be on incubating and nurturing new businesses exploiting Open Data for economic growth. The ODI will also promote innovation and help develop skills to drive business opportunities that use Open Data.

Minister for the Cabinet Office Francis Maude said:

"We don't just want to lead the world in releasing government data - our aim is to make the UK an international role model in exploiting the potential of open data to generate new businesses and stimulate growth.

"The Open Data Institute is a big step towards this. Establishing a centre of excellence and expertise in the heart of technology start-ups will support the very best UK talents to innovate and drive value from the data this government is opening up." To be co-directed by Professor Sir Tim Berners-Lee and Professor Nigel Shadbolt the ODI will be based in Shoreditch, East London. First announced by the Chancellor of the Exchequer in November last year and developed with help from the government's innovation agency, the Technology Strategy Board (www.innovateuk.org), the government has committed up to £10 million over five years to support the ODI.



The aim is for the ODI to be open for business by September 2012. It will draw on complementary sources and users of data - businesses, the public sector, academia and overseas interests . and the ODI will serve to support greater cooperation, integration and bridge-building between them.

The core objective of the Open Data Institute will be to provide an incubator environment, where individuals and organisations from differing backgrounds and sectors can come together to explore and exploit the opportunities of Open Data. As part of a broad range of activity the ODI will, for example:

- Through annual open competitions, deliver focused support to small businesses that show the greatest promise for the exploitation of Open Data. Mentoring teams will advise and help these young companies and start-ups in both the technical and business aspects of Open Data exploitation;
- Engage with a range of businesses and facilitate and support their exploitation of Open Data. The ODI will undertake focused engagements to demonstrate the way in which a particular business can identify Open Data that can enhance its own processes, products and services . and, consequently, grow its profitability;
- Hold Total Immersion events . 2-4 week ~~appathons~~ ~~or~~ ~~hackathons~~ that would support specific ~~data~~ ~~wrangling~~ activities, work on newly released data sets, or the data of a specific organisation, and provide sustained effort to develop new use cases and business cases for Open Data;
- The ODI Jump Start scheme, which will draw on the considerable talents of UK students. The ODI will provide technical and business support for ultra early start-ups that have significant Open Data potential and offer them an opportunity to develop their business ideas with the support of the ODI for up to a year;
- Train a cohort of Open Data entrepreneurs, developers, technologists, and evangelists through a variety of training courses to be offered in the area of Open and Linked Data Technologies.

The government investment of up to £10 million, over five years, will be a precursor to matched funding from the private sector. Public funding will allow the ODI to be established quickly and will lead to a coordinated and strategic programme of development and exploitation as the area grows.

Public Transport

Improvements for Oyster online

Oyster card holders can now benefit from improved Oyster online accounts for both season tickets and pay as you go. The new Oyster online accounts now show detailed journey history and any paid fares in a clearer way. It is now quicker and easier for customers to download this information to help make travel expense claims. This is more convenient than using ticket machines and means it is no longer necessary to contact the Oyster help desk and wait for a printed journey history in the post.

The online accounts also show any automatic refunds, with more customers benefiting from no longer needing to claim when a journey has been left incomplete as a result of being unable to touch out. These improvements are part of a programme to make Oyster more user-friendly.

There are plans to introduce additional features later this year, such as enabling online refund applications.

Shashi Verma, Transport for London's Director of Customer Experience, said: 'Oyster is a hugely popular product which makes travelling around London easier for millions of customers. As part of a range of further improvements, we want to make it easier for customers to keep track of their journey history and the fares paid. In addition, later this year we will be introducing the ability for customers to complete journeys online rather than having to get in touch with us by telephone.'

Trapeze technology supports TfL's Countdown II live bus times service for London

Trapeze has completed a major project, providing the software that underpins Countdown II, TfL's recently launched ground-breaking suite of real-time traveller information services. With Countdown II, the public can now get live bus times for any of the capital's 19,000 stops via desktop web, mobile web and SMS.

Countdown II was delivered using Trapeze's Live Travel Suite, a fully integrated mobile and fixed internet platform with a user intuitive design to make accessing travel information easy for the public. Trapeze has previously implemented Live Travel Suite with customers including Centro, Leicester, Nexus and Traveline Cymru and was

able to use this experience to overcome the unique capacity challenges of a bus network carrying 6 million passengers each weekday.

Smartphone tickets tested in Cambridge

Everything Everywhere, a collaboration between the two giant mobile phone service providers Orange and T-Mobile, has linked up with one of the UK's biggest public transport operators, Stagecoach, to launch a trial of what it claims is the UK's first commercial deployment of ITSO-compatible mobile contactless transport ticketing, with a nationwide rollout across select bus and rail services planned in 2013.

The first trial of the new service, underway on the Stagecoach bus network in Cambridgeshire, enables a small cross-section of bus users to receive, store and validate their bus tickets using their mobile phone. Everything Everywhere is providing each customer in the trial with a Quick Tap-enabled mobile handset using Orange mobile brand. The trial uses DfT's ITSO (Integrated Transport Smartcard Organisation) smart ticketing standard, and will monitor the levels of customer convenience the Quick Tap service provides.

ITSO travel smartcards now on Android phones

Masabi, a developer of mobile ticketing technology for the transport sector, has unveiled a new application called Smart Card Buddy Beta that is capable of reading and displaying the contents of ITSO-based transport ticketing smartcards on Android mobile phones. This technology paves the way for smartcard ticket validation on low-cost smartphone hardware and will eventually allow passengers to buy rail tickets or top-up credit for their smartcard on their handset, rather than at an in-station terminal, Masabi says. Although the new app has been designed to operate with the ITSO smartcard standard being used in the UK, it could be amended to be used with any NFC (near field communication) contactless technology, the company adds.

Traffic Management & UTMC

New plans to reform strategic road network

The Transport Secretary, Justine Greening, has set out the first steps in an ambitious programme for reforming the strategic road network. This programme aims to increase the quality and efficiency of the national network, offering a better service to motorists and business users.

Central to the plan will be a 20 year strategy for the national road network and new challenging performance targets for the Highways Agency to deliver against.

Views of all users, whether motorist or business, will be central to developing both the performance specification and the strategy, which will be published for consultation towards the end of this year.

Justine Greening's programme is in response to Alan Cook's independent review published in November last year into how motorways and major A-roads are operated, maintained and enhanced.

The Transport Secretary has also published the terms of reference for a feasibility study to look at innovative ways of attracting private sector involvement in the road network. The study was commissioned by the Prime Minister in March and is intended to increase efficiencies and make the money that the motorist already pays go further.

Justine Greening said: "My goal is to transform the Highways Agency into a best in class organisation. That's why I have agreed to many of the actions Alan Cook recommends. This paves the way for a more efficient, business like and commercially focused operator, which crucially does much more to listen and respond to the needs of road users. Together with the terms of reference for the feasibility study, this constitutes an ambitious integrated programme for reforming the road network in both the short and long term."

This programme of immediate work will start to address challenges set in the Cook review, bringing improvements in the short to medium term. These reforms are also an essential stepping stone to any more radical reforms we may introduce following the feasibility study being undertaken with HM Treasury.

The feasibility study will explore a range of options to increase private sector involvement and investment in our roads. This will also examine how these options would be financed and how they interact with existing motoring taxation, but will not consider road pricing. It will also determine the role of tolling in the provision of new

infrastructure, but it will not consider tolling existing capacity. The study will provide a report to the Prime Minister in autumn 2012.

Successful Integration and Outsourcing of Local Authority Services

Over the course of the last 12 months, using Southampton City Council's framework contract with Mott MacDonald, PTC Ltd and SGTI Ltd have worked together to provide technical and service support to Southampton City Council during the competitive dialogue phase of their Intelligent Transport Systems and Security CCTV Transformation Project, also known as ROMTV.

ROMTV brings together the public realm CCTV operation and the traffic control and monitoring functions (the well known ROMANSE Centre) into one operation, combining the maintenance and operation of the services. SCC have offered this package of work to the private sector for a 10+5 year period and a contract was recently signed with Balfour Beatty Living Places for the work.

With tight constraints on personnel, demanding workloads and a demanding timescales there was a clear benefit to SCC to have dedicated & informed resource available on request to co-ordinate the technology and service content elements of the project. In supporting Southampton City Council Mark Pleydell of PTC and Steve George of SGTI initially worked with the staff of the operational departments to capture the details of the services and processes and then implement a series of specification documents. They subsequently supported the review and dialogue processes with bidders using the Government's Competitive Dialogue model.

Elements of the ROMTV package required bidders to identify and provide additional income streams using the resources and facilities of the services to underwrite costs. This encouraged innovative thinking on the part of bidders and SCC. As a result, during the course of the bidding process this resulted in a number of novel solutions that have been developed and agreed both for the monitoring of the performance of the contractor during the contract, but also to introduce a greater level of intelligence into maintaining the expensive asset base required by these services. It is anticipated that this innovative approach to operation of the services will continue, with these innovations enhancing the market position of the contractor and providing an opportunity to demonstrate their effectiveness in the provision of the SCC services back to the Council and to other users.

The Companies

Pleydell Technology Consulting Ltd., (PTC) was founded by Mark Pleydell in 2008 to deliver independent technology support to local authorities in the fields of traffic control and ITS. The company has worked with a number of UK local authorities and also supports the equipment suppliers in markets and product development activities.

Contact: mark.pleydell@p-t-c.co.uk Tel: +44 (0)7971113070

Steve George is the founder and Director of SG Transport Innovation Ltd (SGTI) established in 2006. SGTI brings a wealth of experience and a successful track record of ITS system deployment derived from the experience gained from over 20 years in the traffic industry, seven of which have been spent as a practitioner in local government at the forefront of ITS system delivery.

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Moving in the right direction

In an exciting new development, TRL and Design Pro Software Ltd have come together to launch two new TRL Software titles, Sign Design Pro and Line Design Pro.

This CAD based traffic signage and line design software facilitates the design of any traffic sign or line to TSRGD 2002* design standards whilst additional international standards are currently being added. Users can easily build original, bespoke signs or utilise one of the numerous existing signs that are included within the software's libraries whilst lines and road surface markings can be added by simply selecting where the user would like items to be located.

Sign Design Pro and Line Design Pro empower both new and experienced sign designers with the ability to create the most complex signs. Interactive arms, symbols and sign faces, standardised libraries, lane signing and a Tiger Tail tool are all included as standard in Sign Design Pro; Line Design Pro takes care of the design rules

allowing the user to concentrate on their project designs. Sign Design Pro and Line Design Pro are the perfect choice for sign and line designers.

Plus, the free and fully integrated structural tool is very powerful and easy to use: designing posts and foundations that are cost effective but more importantly safe, becomes a quick and simple task in Sign Design Pro. Wind actions, torsion and bending forces are analysed in accordance with BS EN 12899-1 to produce and view 3D sign designs that are structurally safe and sound; posts are checked against bending, shear capacity and deflection, whilst foundations are checked against overturning, bearing pressure and sliding.

Gavin Jackman, Head of Software at TRL says; "These two Design Pro Software titles fit in really closely with our view of the BIM** world. We believe that the simple interface makes the design process simple and easy. It aligns perfectly with our existing range of products, such as TRANSYT, ARCADY and PICADY, and of course the AutoTrack link from Savoy Computing, where changes in a junction design can necessitate the need for new sign and line designs.

Sign Design Pro and Line Design Pro will give sign and line designers the tools they need to drive forwards in the right direction!"

* Traffic Signs Regulations and General Directions 2002

** Building Information Modelling

TRL Publications

PPR519 - Cooperative Vehicle Highway Systems: Implications for the Highways Agency

The capability to exchange information between vehicles and between vehicles and roadside infrastructure in co-operative vehicle systems creates many opportunities for innovation in the way in which the road network is used and managed. This will not only involve the introduction of new technologies, but also in the way in which road operators, vehicle manufacturers, service suppliers and other stakeholders work together to provide services for travellers using the road network, with mutual benefits for all.

This report was written in 2010 and draws on current projects and recent experiences at that time. An overview of the status of developments in co-operative vehicle systems at that time is provided to assist the Highways Agency in assessing the implications of future deployment of such systems on the road network. The findings are informed by the experience gained while participating in the European CVIS (Co-operative Vehicle Infrastructure Systems) project.

The state of the art of co-operative vehicle systems is reviewed, recent projects and developments in Europe, the USA and Japan are summarised and applications are analysed and priorities identified for the Highways Agency. Implementation issues are discussed, and issues for the Highways Agency are summarised. Recommendations are made for further Highways Agency activities to take forward the development of co-operative vehicle systems.

PPR601 - The role of social networking sites in changing travel behaviours

This report provides an overview of research that was conducted to explore the potential for social networking sites to encourage changes in travel behaviours, and to provide recommendations for how any identified potential could be optimised through their design. A scoping review identified that there is not a robust empirical research base from which to draw conclusions about the possible impact of social networking sites on behaviour. The study sought to develop the evidence base by conducting original research, which included: three focus groups, two interviews with developers of social networking sites that could potentially trigger a change in travel behaviours, and an online survey with a sample size of 141 social networking users. This report presents the findings of these research activities, and concludes that they are a good way to communicate messages to a broad demographic. They seem likely to increase awareness of the impact of travel behaviours and of more sustainable alternatives. This may not lead to a direct change in travel behaviours, but it potentially impacts on attitudes and values that could change travel behaviours in the longer term. There are a number of design considerations that, if built into the development (and continued maintenance) of a social networking site, could increase this impact.

PPR606 - Intelligent Transport Systems – latest developments and the use of micro-simulation assessment

This report provides an overview of the latest developments in Intelligent Transport Systems (ITS), with a particular focus on applications relevant to micro-simulation, including autonomous/semi-autonomous driving technologies and co-operative systems. Furthermore, there is a review of several examples where micro-simulation has been used to assess the impacts of ITS. Many ITS applications are currently being deployed, or are being sought to be deployed, and some form of verification or testing is required to assess their impact. There are several different approaches for doing this, of which micro-simulation appears to be one of the most powerful methods in some cases. This document is intended to be read in parallel with the accompanying report, which gives a review of the state-of-the-art in micro-simulation. The purpose of these two documents is to provide a baseline understanding of the state-of-the-art in ITS and micro-simulation.

Contact TRL Publications:

Call +44 (0) 1344 328039 to purchase

People

Job Klijnhout

The death of Job Klijnhout was announced on 22nd June 2012.

His contribution to improved road transport through his work in Intelligent Transport Systems was profound. For many in ITS Job epitomized leadership, reason, vision, practical application and integrity. Job's unique combination of vision, capability, persistence and humour meant that working with him was always enjoyable and productive. Job was an inspiration to many, a source of wisdom for all and a great friend he will be missed but not forgotten.

Some of Job's contributions:

The standard Ministry of Transport intersection controller in the Netherlands was designed by Job (with Swedish support). The Motorway signaling system in the Netherlands is his design and is (30 years later) still saving lives.

The section control system for speed enforcement in the Netherlands that he introduced continues to reduce the number of casualties. Amongst other things Job helped Sweden to implement the first Motorway Control System and arranged a MoU between the Netherlands and Sweden.

The only ITS standard operational across Europe is RDS-TMC, an initiative started by Job, worked out by his group and then accepted, through his efforts, by all MoTs at ECMT.

Job started ITS architecture work at the beginning the eighties in the EC-funded research project "UROP" (universal roadside processor), this was succeeded by the EC project GERDIEN (named after his wife, who died over ten years ago). Then followed the EC project "KAREN" (named after his daughter), the results of which formed the basis for "FRAME", the actual European architecture. Thanks to his strong relation with the USA, all of the results of the EC projects were provided to them, and the US ITS architecture has been strongly connected to Job's original work in the EC-projects.

Job believed in international cooperation and he was a founding member of IVHS-America (ITS America), ERTICO and ITS Netherlands. He was the Dutch representative in Prometheus when it started. He participated in many American groups and committees and made many friends throughout the world.

He was involved in the very first pilots for e-911 / e-112 and was instrumental in getting the US JPO and the EC on speaking terms on this issue (and then more).



The ITS World Congress was his idea and his continued involvement has added significant value to the prestige and reputation of the event. The ITS in Europe Congress was also his idea.



Just one anecdote. At a staff meeting at JPO Christine Johnson (then head of JPO) discussed an issue and said 'we do it this way' and one of the staff, who had not been too well prepared for the discussion and did not like it, said 'Christine decides' and she looked at him and said 'yes I decide and Job tells me what to do'.

A remarkable man respected and much loved. His legacy lives on through the systems, organisations he helped shape and through those the many people he has inspired.

With many thanks to Richard Harris and Dr John Miles

Congratulations!

Dr Nick Hounsell has recently received a promotion to head TRG at Southampton University. Dr. Hounsell has over 25 years experience of research into traffic engineering, urban traffic management and control, road network modelling and public transport operations using Intelligent Transport Systems (ITS) applications. He has managed a Rolling Programme of research for Transport for London into UTC and bus priority operations for some 15 years, and led a number of projects in this area funded by the European Commission. He is the Director of the MSc Programme in Transportation Planning and Engineering, which has also been offered in Beijing, China and is involved in a number of educational networks in Europe funded under EC programmes including TEMPUS and Leonardo da Vinci. He is a Chartered Civil Engineer and recent Chairman of the Transport Group of ICE South.



International News

TrafficInfraTech Expo 2012

Decision makers from the Ministry of Road Transport and Highways, Ministry of Urban Development, Planning Commission, Mumbai Metropolitan Regional Development Authority (MMRDA), MSRDC, Traffic Police, State Road Transport Undertakings, Transport Authorities & Municipal Corporations and a wide spectrum of infrastructure companies and solution providers related to intelligent transportation systems, traffic management, parking & road safety attended the second edition of TrafficInfraTech Expo, making it a very successful show. Held at Bombay Exhibition Centre, Mumbai, the Expo (May 17 to 19, 2012)

The three day Expo, which had 78 exhibitors from across the globe (the UK, USA, Italy, Canada, Germany and Dubai to name a few countries), and 120 national and international brands, was inaugurated by Dr Sudhir Krishna, Secretary, Ministry of Urban Development, Government of India. Dr Krishna was all praise for the Expo and the seminar. He noted, 'Urban development must facilitate jobs for people and fulfil their basic requirements. For this, transport facilities should take into consideration - where and why people need to travel, and whether the travel can be reduced, or otherwise made convenient.'

The highlight of the Expo was the Seminars held on each day of the Expo which had senior experts from various government and private bodies share their views on important topics. The first day's seminar, 'Traffic Management and Safety during Highway Construction' was inaugurated by Dr Sudhir Krishna and chaired by P L Bongirwar (MSRDC)

The second day's seminar on 'Challenges in making the operations of State Road Transport Undertakings efficient: Policy, Management & Technologies' was chaired by O P Gupta (BEST)



The third day's seminar on "The need for, challenges in and advantages of achieving Unified ITS Solutions for Highway & Urban Traffic in India" was chaired by Sanjeev Kumar Lohia (Government of India)

The discussions on all the three days brought forth many compelling points and their solutions which TrafficInfraTech will compile and place before both the Ministries represented at the Expo.

The visitors expressed happiness at the opportunity given to them to interact with the players, manufactures and suppliers of various state-of-the-art products. Visitors also appreciated the opportunity to update their knowledge about the latest products for further market development. The Show was supported by Mumbai Metropolitan Regional Development Authority (MMRDA), Maharashtra State Road Development Corporation (MSRDC), Brihan Mumbai Electric Supply & Transport (BEST), Karnataka State Road Development Corporation (KSRTC), Andhra Pradesh State Road Transport Corporation (APSRTC), Central Road Research Institute (CRRI), APSA and FSAI. While IRD South Asia was the Gold Sponsor, IL&FS was the Expo's Silver Sponsor.

The industry is now awaiting the next TrafficInfraTech Expo scheduled to be held in New Delhi from December 12-14, 2013.

The Response – in their own words:

"We were able to find twenty distributors in the Expo. This will help us serve the Indian market with our Grade 47 and Grade 51 Black Steel new generation of barriers. Local producers of the same material have grown obsolete. We are one year old in India and want to further explore the Indian market. We also met a lot of contractors, consultants and competitors."

--Ugo Prini, Area Export Manager, Imeva

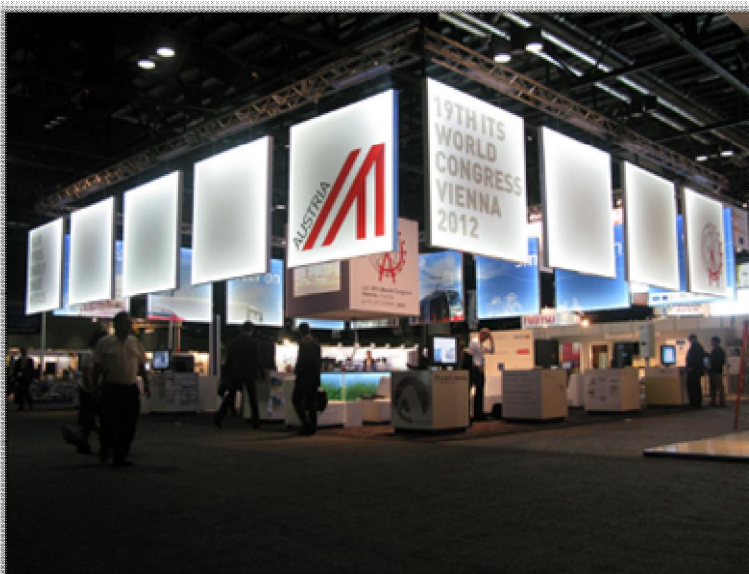
"The Expo served our business interests in terms of investments as Commissions from Australia and Canada shared their business proposals with us. We could meet potential investors."

-- Kunal Bhoite, Asst Manager, IL&FS, Investor Relations Department

The 19th ITS World Congress to present pioneering solutions for the transport and mobility challenges of today and tomorrow, registration now open



It will be the largest international summit on a smarter use of transport networks this year: Roughly 10,000 participants will come together in Vienna for the 19th World Congress on Intelligent Transport Systems from 22 to 26 October. Decision makers from the fields of politics, business and administration as well as specialists from the fields of IT, telecommunications and automation will present and discuss the latest technical developments in the mobility sector along with the newest advancements in the networking of transport-relevant data. The event will be organised by ERTICO . ITS Europe in cooperation with ITS America and ITS Asia-Pacific and hosted by the Austrian Federal Ministry for Transport, Innovation and Technology (bmvit).



The task of intelligent mobility systems is to make transport systems safer, more efficient and more environmentally friendly than they are today. In the past, these efforts have often been concentrated on technical developments in individual fields related to transport. Now, the focus has shifted to the networking and individually tailored usability of transport systems and services. In the future, it should be possible for each and every one of us to be "smarter on the way", which is also the motto of the Congress.

The following questions and others will be addressed in roughly 230 sessions, meetings and workshops: How can the demand for reliability, safety, comfort and efficiency in transport be optimally met? How can the constantly rising volume of traffic be managed intelligently when the expansion of transport networks is simultaneously reaching its limits? How can mobile communication

and Internet technologies be put to use for intelligent transport systems? On the first day of the Congress a Ministerial Round Table will take place in Vienna. Transport Ministers from all around the world will discuss the importance of a coordinated and rapid deployment of ITS on a global scale.

In addition to the congress programme, participants will have the opportunity to visit selected infrastructure facilities and study applications in operation during technical excursions. The selection of excursion destinations includes the headquarters of the Austrian motorway management company ASFINAG, Austrian Railways traffic control centre at Vienna's new central railway station, the Donau River Information Services (DoRIS) in live operation on the Danube and the Climatic Wind Tunnel, which can be used to test entire trains in simulated extreme weather conditions.

The ITS World Congress is held annually in alternating locations in the Americas, Asia and Europe, and will be hosted by Vienna for the first time this year. Along with over 200 sessions covering the latest topics in intelligent mobility, roughly 300 exhibitors will present their ITS solutions in an exhibition space encompassing 18,000 square metres. The congress is being organised by ERTICO. ITS Europe in cooperation with ITS America and ITS Asia-Pacific.

For information and reservations, visit www.itsworldcongress.com Registration is already open and a detailed programme is available.

Antwerp Police Department inaugurates brand-new dispatching and tele-command center, installed by Fabricom and fully equipped with Barco solutions



The brand-new dispatching and tele-command center of Antwerp's police department (Belgium) features the latest solutions of visualization expert Barco: six video walls, including an impressive 4,65 by 1,74 m LED-lit projection wall, and eight LED backlit LCD displays. Thanks to the networked set-up, all the data can be retrieved via the network and projected onto any display or any operator station that's available. In this way, the new solution fosters collaboration, accurate analysis and fast decision-making.

Antwerp's Police Department chose the offering of Fabricom/Barco after a bid procedure, on account of the good reputation and excellent references of both partners, their technical expertise and the unique network solution that Barco proposed. At the heart of the new five-room tele-command center, located at the police headquarters in Antwerp's iconic police tower is now a large Barco LED-lit video wall made up of six ultra-bright 70" projection modules (OL-710), used by the dispatchers. The special operation room and camera control room have all been equipped with smaller walls composed of NSL-5521 tiles. These high-resolution LCD displays with LED backlights are the perfect solution for tiled video wall applications in small to medium-sized control rooms. In the cartography room, operators monitor the vehicles currently out on the road on a large LDX-46 display with LED backlights. Besides the high quality of the video walls, Antwerp's Police Department considers the networked concept the most distinct asset of the solution. Thanks to Barco's CMS-200 control room management suite, users can easily connect to a multitude of sources, regardless of where the information has to be presented - on the smaller LCD displays, the video walls or operator workstations. Since all sources are available over the network, no dedicated hardware is necessary to visualize the information. The direct access to all the information and the collaborative viewing enables accurate analysis and fast decision-making.

Development of updated Intelligent Transportation Systems ePrimer



The Institute of Transportation Engineers and ITS America, under contract with the U.S. DOT's Intelligent Transportation Systems Professional Capacity Building Program, have been retained to develop the update of the ITS Primer, which was first published in 2000. ITS America members and ITS industry companies have a unique opportunity to contribute to this important publication.

The creation of an updated ITS e-Primer provides the transportation community with the opportunity to get involved at several levels. This involvement is extremely important from all, public sector, infrastructure companies, telecommunications companies, car manufacturers and academia to ensure the development of an ITS ePrimer that contains the most up-to-date and comprehensive information about ITS available. Opportunities include the selection of up to 15 module editors (stipend assisted), and up to 75 technical expert reviewers. ITE and ITS America have issued an RFP leading to the selection of the technical editor during the first week of June 2012, which will be followed approximately eight weeks later with an RFP for the up to 15 module editors. Companies and

academia can participate in the development by providing interactive examples to showcase their technologies and methodologies. Another opportunity to participate in the development of the ITS ePrimer will be provided approximately 12 weeks later when both ITE and ITS America will issue a call for technical reviewers.

TEC Global Research Hub

TEC magazine is about to launch a new online product- the **TEC Global Research Hub** which can be found at www.trafficresearch.co.uk

The **TEC Global Research Hub** is the new international on-line resource for anyone with an interest in traffic and transport issues, including; traffic engineers, consultants, academics, government agencies, researchers and manufacturers. Providing the latest traffic management, transport and engineering research papers, the **TEC Global Research Hub** has been created by the publishers of **TEC** (Traffic Engineering and Control) magazine. The site brings together several hundred of the best in-depth research papers from around the world, covering a variety of subjects relevant to the traffic and transport sector. Innovation, efficiency and economic conditions mean these sectors are growing and changing at a phenomenal rate and the **TEC Global Research Hub's** aim is to reflect those changes by bringing you up-to-date research papers that will help you deliver solutions for the many challenges facing the public and private sectors.

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