



ERTICO

INTELLIGENT TRANSPORT SYSTEMS AND SERVICES - EUROPE



Congress & Exhibition

Moving Towards an Integrated Europe

24-26 May 2004, Novotel Congress Centre, Budapest, Hungary



PRELIMINARY PROGRAMME

www.itsineurope.com



Ministry of
Economic Affairs
and Transport



Ministry of
Informatics and
Communications



Congress Schedule

	Monday 24 May	Tuesday 25 May	Wednesday 26 May
8:00	Registration Opens	Registration Opens	Registration Opens
8:30			
9:00		Strategy Session 1	Strategy Session 6
9:30		Technical Sessions 11-12-13-14	Technical Sessions 25-26-27
10:00	Welcome Address + Exhibition Opens		Special Session 3
10:30		Coffee Break	Coffee Break
11:00	Coffee Break	Strategy Session 2	Strategy Session 7
11:30	Plenary Session 1	Technical Sessions 15-16-17-18	Technical Sessions 28-29-30
12:00	Technical Sessions 1-2		Special Session 4
12:30	Special Session 1		
13:00	Lunch	Lunch	Lunch
13:30			
14:00	Plenary Session 2	Strategy Sessions 3-4	Strategy Session 8
14:30	Technical Sessions 3-4-5-6	Technical Sessions 19-20-21	Technical Sessions 31-32-33-34
15:00			
15:30	Coffee Break	Coffee Break	Coffee Break
16:00	Plenary Session 3	Strategy Session 5	Closing Ceremony
16:30	Technical Sessions 7-8-9-10	Technical Sessions 22-23-24	
17:00		Special Session 2	
17:30			
18:00	Exhibition Ribbon Cutting + Welcome Reception		
18:30			
19:00	Opening Ceremony		
19:30			
20:00		Congress Dinner	

Programme subject to change

Please note that the registration desk at the Novotel Congress Centre will be open on Sunday 23 May from 12:00 to 17:00 in order for you to pick up your Congress bags and Information (including badge and vouchers) in advance. On-site registrations are also possible.

The Event

The beautiful Hungarian capital of Budapest is the next stop on the European ITS Congress tour. Taking place just three weeks after the historic accession of Hungary into the European Union, the Congress will place a special focus on the integration of the Central and Eastern European countries (CEECs) into the enlarged EU through the event theme 'ITS – Moving Towards an Integrated Europe'. This motto reflects the Congress's focus on the development and implementation of interoperable ITS systems and services in the CEECs.

The event will serve as an interactive platform where delegates from both the CEECs and the rest of Europe will exchange views and experiences on the latest ITS trends and achievements. Participants will help identify strategies and priorities in the field of ITS in order to build up a new European market for the countries in this region. Congress presentations will focus on topics such as current and forthcoming work on safe, effective, multimodal and environmentally friendly mobility, in particular the new ITS technologies aiming to reduce road casualties – a relevant problem not only in CEECs but also in the EU as a whole. In addition, a concurrent Exhibition will showcase the plethora of ITS products and services under development and in the market. This fourth 'ITS in Europe' Congress is organised by ERTICO and both the Hungarian Ministry of Economy and Transport and the Ministry of Informatics and Communications. The European Commission is also actively participating in this event.

We look forward to welcoming you in Budapest!



© Hungarian National Tourist Office

Table of Contents

- Congress Schedule 2
- Introduction 3
- Official Letters 4 - 5
- Monday 24 May 6 - 9
- Tuesday 25 May 9 - 14
- Wednesday 26 May 14 - 18
- Exhibition 19
- Technical Visits / Receptions 20 - 21
- Tourist Attractions 22 - 23
- Registration Information 24
- Congress Registration Form 25 - 26
- Hotel Booking Form 27 - 28
- General Information 29
- Congress Committees 30
- Acknowledgements & Sponsorships 31

It is a pleasure for me to host the European ITS Congress and Exhibition 'Moving Towards an Integrated Europe'.

Besides the current infrastructural projects and the advanced traffic engineering and traffic management solutions, Budapest, as a dynamically growing capital city, will inevitably need innovative traffic solutions.

Intelligent traffic systems are expected to give answers to the questions of tackling the steadily growing mobility as well as finding the best 'distribution of work' in the set of transport modes.

The availability of traffic infrastructure supported by attractive and user friendly public transport and the related information systems and services is equally essential for both the citizens and the visitors of Budapest.

In this respect, several ambitious municipal projects will be implemented during the coming period, such as the new Metro line. The development project of the Budapest Traffic Management Centre covers a number of new options for meeting the mobility requirements of users on higher standards.

The 'ITS in Europe 2004' Congress and Exhibition will offer an excellent opportunity for participants to exchange their experiences, carry out technical discussions and formulate new objectives for the future. We are very pleased to hear about the tools and possibilities of metropolitan transport systems and sustainable mobility in the enlarged Europe.

It is my pleasure to invite all the interested parties to visit Budapest in May 2004. I hope that besides the official event you will also have the possibility to discover the city.



Dr Gábor Demszky
Mayor of the Municipality of Budapest



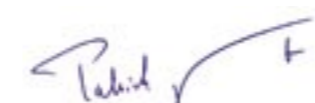
On behalf of ERTICO and all its Partners, I would like to extend a warm invitation to attend the 4th European Congress on Intelligent Transport Systems and Services, held in the beautiful city of Budapest. My special thanks go to the Hungarian Government, in particular Dr István Csillag, Minister of Economy and Transport, Mr Kálmán Kovács, Minister of Informatics and Communications, and Dr Gábor Demszky, Mayor of Budapest, for their kind invitation to host this Congress and their active support.

Taking place just three weeks after the historic accession of Hungary into the European Union, this Congress will place a special focus on the integration of the Central and Eastern European countries (CEECs) into the enlarged EU through the theme 'ITS - Moving Towards an Integrated Europe'.

As Executive Vice President of Renault, and Vice Chairman of the ERTICO Supervisory Board, I know that information and communication technologies really can save lives, so I look forward to learning about the progress being made here in the CEECs.

Congress presentations will bring together top-level industry executives and public officials to discuss topics such as current and forthcoming work on safe, effective, multimodal and environmentally friendly mobility, in particular the new ITS technologies aiming to reduce road casualties – a relevant problem not only in the CEECs but also in the EU as a whole. In addition, a concurrent Exhibition will showcase the plethora of ITS products and services under development and in the market.

Events such as these, though, are not only about attending sessions or touring an exhibition. They are about networking – making contact and discussing with people from around the world the most pressing issues in the field of ITS. Let us listen and learn from each other so that we may move forward with determination.



Mr Patrick Faure
Vice Chairman
ERTICO Supervisory Board



MINISTER OF
ECONOMY AND TRANSPORT



REPUBLIC
OF HUNGARY

MINISTER OF
INFORMATICS AND COMMUNICATIONS



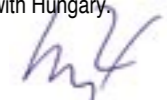
On behalf of the Ministry of Economy and Transport as well as the Ministry of Informatics and Communications of the Republic of Hungary, we have the pleasure to invite you to the 4th European Congress and Exhibition on Intelligent Transport Systems and Services 'Moving Towards an Integrated Europe' to be held in Budapest on 24-26 May 2004.

Mobility is one keyword for the enlargement of the European Union, since a new Europe requires efficient, safe transport systems of high quality. European citizens will expect to organise their journeys in a seamless, secure and cost efficient way throughout Europe. Therefore we believe that the challenges of the future are not limited to meeting the requirements of higher mobility, implementing a reliable infrastructure or information society development, but also to guarantee the availability of cross-border services, European interoperability, and the establishment of the integrated European ITS market.

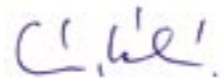
A few years ago the application of ITS systems/services was considered more of a 'vision'. Since then great progress has been made 'from vision to reality', moreover, we are already thinking about solutions for today and tomorrow.

We sincerely hope that during the days of the Congress more attention will be devoted to this region and to the accession countries. We are looking forward to your valuable participation and contribution to the achievement of our common goals by presenting your experiences and commenting on our initiatives.

Besides attending the Congress sessions and visiting the related Exhibition, participants can also take advantage of the opportunity to develop closer personal and professional relations with each other and also with Hungary.



Dr István Csillag
Minister



Mr Kálmán Kovács
Minister

I am pleased that the historical city of Budapest will be hosting the 4th European Congress on Intelligent Transport Systems and Services in May 2004 soon after the accession of Hungary into the European Union.

The main goal of the Congress is to place a special focus on the integration of the Central and Eastern European countries into the enlarged European Union through the application of interoperable Intelligent Transport Systems and Services. This is also important to realise safer, more efficient and more environmentally friendly transport across the EU.

Whether you are a provider, an authority or a business from the newly enlarged Europe, this exciting Congress and Exhibition offers the perfect setting to network, to exchange information about success stories from around the European Union, or indeed to take steps to increase the participation of the new Member States in the European Commission programmes supporting the application of new technologies to transport systems.

I have no doubt that the Congress will be successful at identifying strategies and priorities in the field of ITS to help us all achieve our common objectives.

Come and join us all and be part of the ITS community in Budapest in May 2004 for a unique experience!



Mr Erkki Liikanen
Commissioner for Enterprise and Information Society
European Commission



Programme

Monday 24 May 2004
08:00 – 18:00 Registration

10:00 – 19:00 Exhibition Open

10:00 – 11:00 Welcome Address

Invited speakers:

- Dr Gábor Demszky, Mayor of the Municipality of Budapest, Hungary
- Dr István Csillag, Minister, Ministry of Economy and Transport, Hungary
- Mr Jack Short, Secretary General, European Conference of Ministers of Transport (ECMT)
- Mr Olivier Mossé, Chief Executive Officer, ERTICO – ITS Europe
- Mr Volker Knapp, Chairman, ARC Europe

11:00 – 11:30 Coffee Break

11:30 – 13:00 Plenary Session 1 **Innovative Financing for New Infrastructures and ITS**

Pressure on public budgets and the emergence of ITS technologies and services is intensifying interest in new financing methods. ITS is creating new opportunities for public revenue raising and private-sector business models. Public-private partnerships are increasingly seen as key to help finance not only transport infrastructure, but also ITS services aimed at the public's benefit. However, active participation of the private sector requires a careful balancing of risks and rewards. This session will examine some of the unfolding opportunities and their impact.

Invited moderator:

- Mr Wolfgang Hahn, Director General, Road Construction and Road Traffic, Federal Ministry of Transport, Building & Housing, Germany

Invited speakers:

- Mr Wolfgang Roth, Vice Chairman, European Investment Bank
- Mr Antonín Tesařík, 1st Deputy Minister, Ministry of Transport, Czech Republic
- Dr Ferenc Kovács, Deputy State Secretary, Ministry of Economy and Transport, Hungary
- Dr Michael Rummel, Managing Director, DaimlerChrysler Services Mobility Management GmbH, Germany
- Representative from the European Commission

11:30 – 13:00 Technical Session 1 **ITS Strategies & Potentials**

- 2893** European Road Directors working towards cross-border interoperability in ITS services
Paul van der Kroon, Directorate General of Public Works and Water Management, The Netherlands
- 2941** How to evaluate the driver's trust in ITS? Example of ACC
Jean-Michel Auberlet, INRETS, France

- 2938** Bristol – Best practice foundations to an ITS strategy
John D'Arcy, Bristol City Council, United Kingdom
- 2846** What is the safety potential of Intelligent Transport Systems?
Gunnar Lind, STRATEGA Trafikkonsult AB, Sweden

11:30 – 13:00 Technical Session 2 **Traffic Management Systems**

- 2881** UTMC as a countywide platform for ITS in Lancashire
Rick Hayton, Lancashire County Council, United Kingdom
- 2880** Traffic Management and Information System in Austria by ASFINAG
Norbert Deweis, ASFINAG, Austria
- 2762** 5T: a viable ITS service platform
Giovanni Foti, 5T S.c.r.l., Italy

- 2802** Development and implementation of an OCIT-based Traffic Management System
Jörg Lange, Stadt Düsseldorf, Germany
- 2949** Traffic Management for smaller cities and their role in the network with regional management centres
Olaf Thiemann, VTCon Verkehrs Technik Consult GmbH, Germany

Monday 24 May 2004
11:30 – 13:00 Special Session 1 **Quality Needs of Traffic Information**

Organiser: LogicaCMG

In this session several professional end users, a traffic manager, an administrator responsible for traffic and transport and a travellers service provider from different European countries present the real need they experience for traffic services and what future changes they expect. A traffic expertise company will provide an assessment of a not yet operational traffic information gathering facility that is able to deliver higher quality traffic data than existing systems can at the current time. They will translate the end user service needs to key quality factors for traffic information. The key message of this session is that, by using advanced traffic information gathering technologies, the effective development and enhancement of many professional user services will be enabled.

Moderator and speakers to be announced

13:00 – 14:00 Lunch

14:00 – 15:30 Plenary Session 2 **How Can Collective Transport Attract More Users in Urban Areas?**

Nowadays Metropolitan Cities are all facing similar problems of how to improve their mobility policies in order to rationalise the different transportation modes. This inevitably means encouraging the use of public transport as an available alternative to the use of individual cars, but this also means making public transport more effective and more attractive. City Officials will explain how they expect to achieve this objective and what practical as well as political solutions should be advised. Finally they will examine the results of current measures that have already been determined.

Invited moderator:

- Mrs Laurence Douvin, Paris City Councillor France; President of IMPACTS Europe

Invited speakers:

- Mr Pál Vajda, Vice Mayor, Municipality of Budapest, Hungary
- Mr Lajos Kósa, Mayor, Municipality of Debrecen, Hungary
- Mr Orla Hav, Mayor of the County of North Jutland, Denmark
- Mr Pere Navarro Olivella, Commissioner for Transportation, Barcelona, Spain
- Dr Hans-Georg Martensen, Head of the Department of Public Safety, Economics and Transport, Hannover Region, Germany
- Mr Ciaran de Burca, Project Manager, Quality and Bus Network, Dublin City Council, Ireland

14:00 – 15:30 Technical Session 3 **Case Studies for Infrastructure based ITS Applications**

- 2834** Applicability of WiFi technology for data connection from vehicles in motion: The A21 highway case
Marco Gruppi, Autostrade Centro Padane S.p.A., Italy
- 2826** VMS displayed messages: an effectiveness survey
Bernard Boubault, Société des Autoroutes Paris-Rhin-Rhône, France
- 2942** Rush hour lanes: the case of the Venice-Mestre Beltway
Marco Cecchetto, Società delle Autostrade di Venezia e Padova S.p.A., Italy

- 2854** Dynamic signs on the Volcans grade (A71 motorway)
Bernard Leger, Société des Autoroutes Paris-Rhin-Rhône (SAPRR), France

- 2916** Another trial for safe driving support by UTMS Japan
Nobuhiro Hamba, UTMS Japan, Japan

14:00 – 15:30 Technical Session 4 **Traffic and Traveller Information Services**

- 2879** Regional, national and international Traveller Information: The Internet information services of VBB Verkehrsverbund Berlin-Brandenburg
Juergen Ross, VBB Verkehrsverbund Berlin-Brandenburg GmbH, Germany
- 2888** Transport direct - Multi-modal travel information in Great Britain
Graham Knapper, Department for Transport, United Kingdom
- 2831** The TRAFFIC ONE service: a new mobility information service for travellers
Bernard Matyjasik, Cofiroute SA, France

- 2768** Why don't more people use advanced traveller information? Evidence from Seattle, Washington
Jane Lappin, Volpe National Transportation Systems CE, United States
- 2903** Cross-Border Multi-modal Traveller Information Services in Northern Europe
Stefan Kröpel, GVS Society for Transport Consulting and Systems Planning, Germany

14:00 – 15:30 Technical Session 5 **Floating Car Data**

- 2784** Road Traffic Information from GSM signalling data – Results and Applications
Michael Alger, Vodafone Pilotentwicklung GmbH, Germany
- 2822** Million unit FCD systems
Calum McCready, Applied Generics, United Kingdom

- 2917** Floating Car Data: travel time estimation methods using micro-simulation evaluation
Alexandre Torday, Swiss Federal Institute of Technology (EPFL), Switzerland

Monday 24 May 2004
14:00 – 15:30 Technical Session 6 **Tolling Interoperability**

- 2911** Road user charging based on satellite positioning systems and cellular network communication - Progress on standardisation and interoperability
Ian Catling, Ian Catling Consultancy, United Kingdom
- 2899** EFC transborder service with real users within PISTA project
Pere Rigau, Serviabertis, Spain
- 2897** Truck tolling system interoperability between Switzerland and Austria
Bruno Hofstetter, Swiss Customs Authority, Switzerland
- 2812** How about... Electronic Fee Collection?
Leo van den Berg, Universidad de Valencia, Spain

15:30 – 16:00 Coffee Break

16:00 – 17:30 Plenary Session 3 **Towards an Integrated eSafety Initiative for the Enlarged Europe**

eSafety is a joint industry-public sector initiative for improving road safety by using new Information and Communications Technologies (ICT). This initiative is driven by the European Commission with ERTICO and ACEA (The Association of European Car Manufacturers). Developments in the area of eSafety for the enlarged Europe will be highlighted.

Invited moderator:

- Mr Fabio Colasanti, Director-General, Directorate-General Information Society, European Commission

Invited speakers:

- Mr Marek Pol, Vice-Prime Minister, Minister of Infrastructure, Poland
- Prof Risto Kulmala, VTT Building and Transport, Finland
- Mr John Hughes, Executive Vice President, Chief Operating Officer, Thales, France
- Dr György Csepeli, Parliamentary State Secretary, Ministry of Informatics and Communications, Hungary

16:00 – 17:30 Technical Session 7 **Assessment of Intelligent Road Infrastructures**

- 2798** Description of architecture and demonstration of SAFE TUNNEL system
Roberto Brignolo, Centro Ricerche Fiat, Italy
- 2816** ITS as a tool towards forgiving and self-explanatory road infrastructure
Evangelos Bekiaris, Centre for Research and Technology Hellas, Greece
- 2809** Risk assessment for road infrastructure outside of cities
Markus Meissner, Arsenal Research, Austria
- 2862** From traffic engineering and infrastructure operation systems to incident management on the E40 – E2
Damien Tillet, ISIS S.A., Belgium
- 2949** Automatic Incident Video Detection: The standard ITS technology today for traffic and tunnel safety
Jo Versavel, TRAFICON, Belgium

16:00 – 17:30 Technical Session 8 **Public Transport Information Systems & Services**

- 2890** The development of publicly available bus real-time information in the United Kingdom
Stewart Dring, Department for Transport, United Kingdom
- 2761** One step beyond urban ITS: Madness or gladness?
Toine Molenschot, City of The Hague, The Netherlands
- 2796** JOHONKI The new services for public transport passengers in Tampere
Juha Laakso, Infotripla Ltd, Finland
- 2853** Simulation modelling of intermodal urban ITS
Natalija Jolic, Faculty of Transport and Traffic Sciences, Croatia
- 2823** Journey planner information for mobility and visually impaired passengers in public transport
Hans-Joachim Mentz, Mentz Datenverarbeitung GmbH, Germany

16:00 – 17:30 Technical Session 9 **Traffic Monitoring**

- 2915** A road weather monitoring and forecasting system for traffic safety
Massimo Balzarini, Autostrade Centro Padane S.p.A., Italy
- 2811** Conceptual design of a traffic database for the Dirección General de Tráfico. A Case Study
Ramon Vte. Cirilo Gimeno, Universidad de Valencia, Spain
- 2923** IST intervuse project: integrated radar, flight plan and digital video data fusion for A-SMGCS
Nikos Grammalidis, Center for Research and Technology Hellas, Greece
- 2884** Automated quality control for traffic data acquisition
Frank Frischeisen, Autobahndirektion Südbayern, Germany
- 2887** Infomobility, technologies, systems and multimedia services of the Autostrade Group
Piero Bergamini, Autostrade per l'Italia S.p.A., Italy

Monday 24 May 2004
16:00 – 17:30 Technical Session 10 **Cellular & Satellite: Technology for Tolling**

- 2858** From advanced toll services to telematics mass market
Michael Rummel, DaimlerChrysler Services Mobility Management GmbH, Germany
- 2899** Innovative road usage charging approaches utilising 2G and 3G cellular networks capabilities
Christian Birle, Vodafone Group Research & Development, Germany
- 2930** Tolling with satellites – a system concept for everybody?
Bernhard Dehry, Rapp Trans AG, Switzerland
- 2843** Road user charging system with almost invisible infrastructure
Max Staudinger, Eikon AG, Austria

18:00 Exhibition Ribbon Cutting & Welcome Reception

19:00 – 20:00 Official Opening Ceremony: 'Towards an Integrated Europe'

Important European authorities as well as dignitaries from the city of Budapest and the Hungarian Government will welcome you to the Congress and discuss themes linked to EU accession and Intelligent Transport Systems and Services.

Master of Ceremony:

- Dr Csaba Csapodi, Director General, Ministry of Informatics and Communications, Hungary; Chair of the European Programme Committee

Invited speakers:

- Mr Kálmán Kovács, Minister, Ministry of Informatics and Communications, Hungary
- Mr Jakob Presecnik, Minister of Transport, Slovenia; Chair of ECMT
- Mr Seamus Brennan, Minister of Transport, Ireland; President, European Council of Transport Ministers, 1st Semester 2004
- Mr Fabio Colasanti, Director-General, Directorate-General Information Society, European Commission
- Mr Patrick Faure, Vice Chairman ERTICO Supervisory Board; Executive Vice President, Renault, France
- Mr Günter Hauptmann, PhD, Member of the Siemens VDO Board & Head of the Siemens AG Telematics Board, Siemens VDO Automotive AG, Germany

Tuesday 25 May 2004
08:00 – 18:00 Registration

10:00 – 18:00 Exhibition Open

09:00 – 10:30 Strategy Session 1 **ITS Services in Central and Eastern Europe: Opportunities and Challenges**

ITS plays an important role in supporting the implementation of national transport policies whilst at the same time integrating national networks across the EU. Effective mobility requires that ITS services operate seamlessly across country borders. This session will spotlight opportunities and identify challenges.

Invited moderator:

- Mr Dean Herenda, Under Secretary, Ministry of Transport, Slovenia

Invited speakers:

- Dr József Varga, Vice President, Magyar Autóklub, Hungary
- Mr Martin Pichl, Ministry of Transport, Czech Republic
- Dr Ing Josef Kunz, President, Federal Highway Research Institute, Germany
- Mr Bernhard Lux, Manager, European Road Information Centre (ERIC)
- Mr Michael Nielsen, Project Manager, ERTICO – ITS Europe

Tuesday 25 May 2004
09:00 – 10:30 Technical Session 11 **Sensors for Driver Assistance Applications**

- | | |
|---|--|
| <p>2850 Sensors for driver monitoring: Current limitations and towards new sensor concepts
<i>Evangelos Bekiaris, Center for Research and Technology Hellas, Greece</i></p> <p>2778 Preventing driver drowsiness at the wheel: can steering grip sensor measurement contribute to its prediction?
<i>Alain Muzet, CNRS-CEPA, France</i></p> <p>2808 SAVE-U: Sensor data fusion for improved vulnerable road user detection
<i>Philippe Marchal, Faurecia, France</i></p> | <p>2855 Cognitive engineering for adaptive anti-collision systems
<i>Thierry Bellet, INRETS (LESCOT), France</i></p> <p>2852 Research activities on railways safe transportation: the European project REOST
<i>Giulio Vivo, Centro Ricerche Fiat, Italy</i></p> |
|---|--|

09:00 – 10:30 Technical Session 12 **Traveller Information**

- | | |
|--|---|
| <p>2935 On-demand brokerage of public transport services: From theory to reality
<i>Jenni F. Mageean, Transport Operations Research Group, United Kingdom</i></p> <p>2894 Handling the impact of large-scale road works on a door-to-door route planner
<i>Raf Venken, Tritel, Belgium</i></p> | <p>2905 Integrated demand responsive transport and taxi – Case Tampere, Finland
<i>Pekka Eloranta, Mobisoft Ltd., Finland</i></p> <p>2937 Provision of real-time traffic information
<i>Graeme Scott, IBI Group, United Kingdom</i></p> <p>2873 Mobility information services value chain and business cases
<i>Paul Potters, ITS Netherlands - Connekt, The Netherlands</i></p> |
|--|---|

09:00 – 10:30 Technical Session 13 **International Co-operation in Europe**

- | | |
|--|---|
| <p>2788 Centrico's contribution to traffic management and traveller information for the TERN
<i>Reiner Dölger, Centrico, Germany</i></p> <p>2922 Making streetwise connections
<i>Helen Eveleigh, FaberMaunsel Ltd, United Kingdom</i></p> <p>2818 Co-ordination and stimulation of innovative ITS activities in Central and Eastern European Countries
<i>René Moser, Via Donau, Austria</i></p> | <p>2806 Partners for roads, sharing expertise in traffic management
<i>Frans Middelham, Ministry of Transport, Public Works and Water Management, The Netherlands</i></p> <p>2932 Regional co-operation for ITS research and demonstration: The basis for a sustainable and accelerated development of transport in the enlarged Europe
<i>Dorin Dumitrescu, ITS Romania, Romania</i></p> |
|--|---|

09:00 – 10:30 Technical Session 14 **Commercial Vehicle Tolling**

- | | |
|---|---|
| <p>2772 Tachograph, DSRC, GPS, Sensors ... Why is the OBU of the Swiss heavy vehicles fee so complex?
<i>Bernhard Oehry, Rapp Trans AG, Switzerland</i></p> <p>2883 The Swiss heavy vehicle fee – Technical solution, operational experience and impact on transport
<i>Ueli Balmer, Federal Office for Spatial Development, Switzerland</i></p> <p>2940 Trial operation of the Austrian heavy goods vehicles toll system: conceptual design, facts and figures
<i>Andrea Felix, EUROPASS, Switzerland</i></p> | <p>2779 The Austrian truck and bus tolling system: First operational experiences
<i>Anton Sieber, ASFINAG, Austria</i></p> <p>2886 Interoperability: A concept not affected by technology
<i>Piero Bergamini, Autostrade per l'Italia S.p.A., Italy</i></p> |
|---|---|

10:30 – 11:00 Coffee Break

Tuesday 25 May 2004
11:00 – 12:30 Strategy Session 2 **An Enlarged Market for ITS: The End Users**

The enlargement of the EU will add more than 75 million citizens to the Union, further strengthening the market potential for ITS products and services. This session will define end users and highlight their needs, taking into account changing transport patterns and growing car ownership in the new Member States.

Invited moderator:

- Mr Ivan Hodac, Secretary General, ACEA (The Association of European Car Manufacturers)

Invited speakers:

- Mr Ad Bastiaansen, Senior Vice President Corporate Business Development, Tele Atlas, Belgium
- Mrs Vera Siegler, Manager Director, Topolizs Ltd, Hungary
- Mr Waldemar Sakalus, Director, Nokia Smart Traffic Products, Nokia, Germany
- Mr Jack Gijrath, Relations Manager Transport, Philips, The Netherlands
- Mrs Monique van der Sanden, Manager, Telematics, ANWB - Royal Dutch Touring Club, The Netherlands

11:00 – 12:30 Technical Session 15 **Human Machine Interface (HMI)**

- | | |
|---|---|
| <p>2918 Meeting the challenges of future automotive HMI design: an overview of the AIDE integrated project
<i>Johan Engström, Volvo Technology, Sweden</i></p> <p>2782 Design of the Human Machine Interaction in a novel driver's vision enhancement support system
<i>Luisa Andreone, Centro Ricerche Fiat, Italy</i></p> | <p>2795 Design and development of an adaptive integrated driver-vehicle interface
<i>Angelos Amditis, Institute of Communication and Computer Systems, Greece</i></p> <p>2840 Auditory information – implementation of IT in vehicles
<i>Thomas Ekdahl, Allogg AB, Sweden</i></p> |
|---|---|

11:00 – 12:30 Technical Session 16 **Real-time Traffic Information**

- | | |
|---|---|
| <p>2867 Integrated traffic information services in Budapest and Vienna
<i>Péter Laborczi, Arsenal Research, Austria</i></p> <p>2847 The impact of AVN technologies on SME local public transport company
<i>Marino Mazzon, Thetis S.p.A., Italy</i></p> <p>2902 Modelling the effects of improved travel time information
<i>Carl-Henrik Johansson, TRANSEK AB, Sweden</i></p> | <p>2837 Proactive real-time traffic information and decision support systems
<i>Ivan Bosnjak, Faculty of Transport and Traffic Engineering, Croatia</i></p> <p>2814 Interactive programming environment for solving vehicle routing problem
<i>Tonci Caric, University of Zagreb, Croatia</i></p> |
|---|---|

11:00 – 12:30 Technical Session 17 **National Programmes & Initiatives I**

- | | |
|--|---|
| <p>2896 Norwegian national strategy and progress of multimodal ITS
<i>Trygve Roll-Hansen, Ministry of Transport and Communications, Norway</i></p> <p>2877 Tactical horizon of ITS deployment in Czech Republic
<i>Pavel Pribyl, ELTODO EG, Czech Republic</i></p> <p>2859 The development and structure of the telematic framework plan for Austria
<i>Julia Düh, Via Donau - Entwicklungsgesellschaft GmbH für Telematik und Donauschiffahrt, Austria</i></p> | <p>2865 Network control in Germany in a European context
<i>Stefan Krause, Federal Ministry of Transport, Germany</i></p> <p>2948 Traffic management during the FIFA 2006 World Football Championships in Germany
<i>Norbert Handke, VTCon Verkehrs Technik Consult GmbH, Germany</i></p> |
|--|---|

11:00 – 12:30 Technical Session 18 **ITS for Freight & Fleet Applications**

- | | |
|--|--|
| <p>2810 Enhanced vehicle stability of a truck using electric stability program together with steer-by-wire
<i>Peter Koleszar, Budapest University of Technology and Economics, Hungary</i></p> <p>2781 Welcome to FleetBoard – fleetmanagement with IQ
<i>Jens Zeller, DaimlerChrysler Services FleetBoard GmbH, Germany</i></p> | <p>2927 Safe transportation of hazardous goods
<i>Peter Boese, Dornier Consulting GmbH, Germany</i></p> <p>2951 Tracking and registration of hazardous goods' freights
<i>János Báráth, Ministry of Defence Electronics, Logistics and Property Management, Hungary</i></p> <p>2936 STREETWISE: Successes in Freight
<i>Graeme Scott, IBI Group, United Kingdom</i></p> |
|--|--|

12:30 – 14:00 Lunch

Tuesday 25 May 2004
14:00 – 15:30 Strategy Session 3 Challenges for the Use of Heavy Vehicles: The Digital Tachograph

The replacement of the current tachograph with a new, tamper-proof digital device was born out of a Council Regulation adopted in 1998. The introduction of the digital tachograph entails many challenges for Member States, enforcement agencies, commercial vehicle makers, equipment suppliers, transport companies and drivers. This session will focus on progress being made and the implications for those concerned.

Moderator to be announced

Invited speakers:

- Mr Jean-François Janin, Task Force Manager for Intelligent Transport Systems, Ministry of Transport, France
- Mr Miklos Horváth, Managing Director, MASPED TLOG, Hungary
- Mr Jan Malenstein, Senior Advisor ITS, EU Affairs, The Netherlands's National Police Agency, (KLPD), The Netherlands
- Mr Gerhard Lehmann, Head of International Relations, Siemens VDO Automotive AG, Germany
- Mr Bruno Chazalatte, Director of Development and Business Services, Renault Trucks, AB Volvo, France

14:00 – 15:30 Strategy Session 4 ITS in Freight Transport and Logistics


Enlarging the European Union brings new challenges to the freight transport and logistics sector. State-of-the-art ITS will be used to implement reliable, secure and efficient transport in complex supply chains. The session will provide a consolidated overview on the needs of the sector and the information and communication technologies and services available to fulfil them. Global tracking and tracing will be addressed as well as urban logistics, the eEconomy and the impact of RFID technologies in the near future.

Invited moderator:

- Mr Wolfgang Höfs, Directorate-General Information Society, European Commission

Invited speakers:

- Mr Karel Vanroye, BUCK Consultants International, Belgium
- Mr Heinrich Cordes, SLA – Software Logistik im Armland, Germany
- Prof Kostas Zografos, University of Economics and Business, Greece
- Mr Sergio Proietti, Telespazio S.p.A., Italy
- Urban Logistics (eDRUL project), speaker to be announced

14:00 – 15:30 Technical Session 19 Advanced Driver Assistance Systems

2777 Road map towards full driving automation
Michel Parent, INRIA, France

2895 Towards the design and the evaluation of a cooperative Advanced Driving Assistance System
Nicolas Tricot, LAMIH - Université de Valenciennes, France

2776 AIDER - the approach towards a pan European accident management system
Silvia Zangherati, Fiat Research Centre, Italy

2908 Importance of behavioural adaptation in assessing the effectiveness of ADAS
Nina Dragutinovic, Technical University of Delft, The Netherlands

2901 Liability aspects of different categories of Advanced Driving Assistance System
Kiliaan van Wees, Delft University of Technology, The Netherlands

14:00 – 15:30 Technical Session 20 Horizontal ITS Issues

2820 Why do you need an ITS architecture? European and national perspectives
Peter Jesty, Peter Jesty Consulting, United Kingdom

2933 Re-emphasizing the people aspect for a more integrated Europe
Mario Michael Bozzo, IBI Group, United Kingdom

2875 A European network to promote ITS knowledge and skills
Angela Spence, Mizar Automazione S.p.A., Italy

2866 The International Benefits Evaluation and Costs (IBEC) working group: An ITS resource
Richard Harris, FaberMaunsell Ltd, United Kingdom

2870 ITS architecture to further technical and legal aspects of multimodal hazardous goods transportation
Jean-Michel Clerc, Ministry of Public Works, Housing and Transportation, France


Tuesday 25 May 2004
14:00 – 15:30 Technical Session 21 National Programmes & Initiatives II

2934 Swiss Intermodal Transalpine Transport Management Strategies and ITS Solutions
Gerhard Petersen, Swiss Federal Road Authority (FEDRO), Switzerland

2929 An Evolutionary Approach to Intelligent Transportation Systems National Strategic Planning
Mohammad Isaai, Sharif University of Technology, Iran

2891 Research to Inform the Development of the United Kingdom's Transport Direct Initiative
David Gott, Department for Transport, United Kingdom

2931 The Support of a Reference Model to Build an ICT Architecture for the Transport Sector
Hans Westerheim, SINTEF Telecom and Informatics, Norway

15:30 – 16:00 Coffee Break
16:00 – 17:30 Strategy Session 5 Extending the Euroregional Projects and ITS Infrastructure to CEECs


In light of the enlargement of the European Union, new ways for co-operation and common efforts in the field of ITS need to be determined. This session will give an overview of the past, current and future goals of the TEMPO programme and it will examine the main achievements of existing Euro-regional projects. Furthermore, the needs and requirements of the new member countries relating to the new project CONNECT will also be identified.

Invited moderator:

- Mr John Berry, Directorate-General Energy & Transport, European Commission

Speakers to be announced

16:00 – 17:30 Technical Session 22 TMC Implementation

2773 Experience of running a RDS-TMC service in a Nordic country such as Sweden
Lars H. Gisow, Swedish National Road Administration, Sweden

2824 'Best-practice' recommendations for implementing RDS-TMC services in CEECs
David McClure, SBD Ltd, United Kingdom

2872 Test drive a tool for TMC traffic information service providers
Núria Albertí, RACC - Royal Automobile Club of Catalonia, Spain

2946 Results of RDS/TMC pilot project in the Czech Republic
Miroslav Svítek, Czech Technical University in Prague, Czech Republic

16:00 – 17:30 Technical Session 23 Architecture

2797 How can an ITS architecture be created? A European view
Richard Bossom, Siemens Traffic Controls, United Kingdom

2876 FRAME navigation tool for easy use of the European ITS framework architecture
Angela Nigro, Mizar Automazione, Italy

2920 A comparison of the multimodal system framework architecture ARKTRANS and related work
Marit Natvig, SINTEF Telecom and Informatics, Norway

2860 Toward interoperability in France : progress in the ACTIF national architecture
Patrick Malléjacq, French Ministry of Construction and Transport (METLTM), France

2801 National technological infrastructure as the indispensable basis of the respective ITS architecture
Zvonimir Radic, ISOT, Croatia

Tuesday 25 May 2004
16:00 – 17:30 Technical Session 24 **Eastern European Perspectives on Tolling**

- | | |
|--|--|
| <p>2898 Electronic Fee Collection: another step for ITS on the Slovak highways network
<i>Claude Leiser, ISIS S.A., France</i></p> <p>2848 How to apply ITS on charging in an acceptable way for key actors of transport?
<i>Katalin Tanczos, BUTE Department of Transport Economics, Hungary</i></p> <p>2878 Electronic Fee Collection – Findings of research
<i>Pavel Pribyl, ELTODO EG, Czech Republic</i></p> | <p>2856 Electronic toll collect mobile unit with value added functions
<i>Michal Kubat, PRINCIP A.S., Czech Republic</i></p> <p>2944 The EFC Systems Implementation in the CEECs: What do they actually need?
<i>Ivan Fencel, CDV, Czech Republic</i></p> <p>2952 Special Aspects of the Tolling on the Hungarian Motorway Network
<i>Árpád G. Siposs, State Highway Management Company Ltd., Hungary</i></p> |
|--|--|

16:00 – 17:30 Special Session 2 **Freight Vehicle Incident Management Workshop**

Organiser: Safe and Secure Intermodal Transport Thematic Network (SIT)

With the advent of the EU and the opening of its borders to new Member States, the movement of goods between states has increased drastically, facilitating trade in EU countries. However, it has unintentionally also facilitated the spread of crime. While Law Enforcement has been slow to adapt to the reality of a borderless Europe, criminals have been quick to take advantage of this opportunity. They can, more than ever before, cross borders to commit crimes and take advantage of foreigners and foreign goods entering their country.

The objective of this workshop is to discuss freight vehicle theft related issues raised by the speaker panel. A lively round table discussion with input from attendees is expected. If you would like to attend this session please send your confirmation by e-mail: sit@mail.ertico.com. Please note that the number of participants is limited.

Invited speakers:

- Mr Ton Van der Lee, Vehicle Crime Co-ordinator of the Dutch Council of Chiefs of Police, The Netherlands
- Ms Mariana Andrade, Project Manager, ERTICO – ITS Europe
- Mr Jan Malenstein, Senior Advisor ITS, EU Affairs The Netherlands's National Police Agency (KLPD), The Netherlands
- Speaker to be announced

20:00 Congress Dinner at the Ethnographical Museum

Wednesday 26 May 2004
08:00 – 18:00 Registration

10:00 – 16:00 Exhibition Open

09:00 – 10:30 Strategy Session 6 **Investing in Co-operative Driving (Vehicle/Infrastructure) to Improve Traffic Management and Safety**


This session provides an overview of the state-of-the-art and the planned initiatives in the area of co-operative driving focusing on vehicle/infrastructure integration. The session will address co-operative systems for safety and traffic management from the industry, public sector, academia point of view and it should define the future strategies and priorities for research and development in the enlarged Europe.

Invited moderator:

- Representative from the Directorate-General Information Society, European Commission

Invited speakers:

- Mr Jean-Marc Blossville, INRETS/LIVIC, France
- Representative from the Directorate-General Information Society, European Commission
- Ms Paola Carrea, Centro Ricerche Fiat, Italy
- Car Manufacturer Germany, to be announced
- Department of Transport United Kingdom, speaker to be announced

Wednesday 26 May 2004
09:00 – 10:30 Technical Session 25 **Traffic Information & Management**

- | | |
|---|--|
| <p>2827 Evaluation of Intelligent Systems for the prevention and management of incidents
<i>Enrique Belda Esplugues, DGT, Spain</i></p> <p>2829 GIS-based transportation data analysis supporting fleet management systems
<i>Arpad Barsi, Budapest University of Technology and Economics, Hungary</i></p> <p>2763 New multi-functional display panels for network control on German motorways
<i>Frank Suesser, Bundesministerium für Verkehr, Bau- und Wohnungswesen (BMVBW), Germany</i></p> | <p>2767 Multipurpose-VMS implementation: three simple but effective proposals
<i>Antonio Lucas, Instituto Universitario de Tráfico y Seguridad Vial, Spain</i></p> <p>2945 From Pilots to Standard Systems: Recommendations and Guidelines for Traffic Management Systems in Germany
<i>Fritz Bolte, Bundesanstalt für Strassenwesen (BASt), Germany</i></p> |
|---|--|

09:00 – 10:30 Technical Session 26 **Data Exchange**

- | | |
|---|--|
| <p>2861 Technical developments in data exchange to support UK-wide travel information
<i>Roger Slevin, Department for Transport, United Kingdom</i></p> <p>2871 Traveller information services in Belgium – conflicts and opportunities
<i>Rudi Tegenbos, Tritel, Belgium</i></p> <p>2904 DTX-ML: DATEX information diffusion using XML format in Spain
<i>José Francisco Garcia, Universidad de Valencia, Spain</i></p> | <p>2907 Cross-border coordination for traffic management plans
<i>Vicente Ramón Tomás López, Universitat Jaume I, Spain</i></p> <p>2783 XML for transport data exchange?
<i>Leo van den Berg, Universidad de Valencia, Spain</i></p> |
|---|--|

09:00 – 10:30 Technical Session 27 **Road User Charging Concepts & Experiences**

- | | |
|---|---|
| <p>2874 A concept for licence plate based motorway toll in Switzerland
<i>Rolf Richterich, Rapp Trans AG, Switzerland</i></p> <p>2868 Acceptance of road user charging – changes over a decade
<i>Solveig Meland, SINTEF, Norway</i></p> <p>2821 Road user charging in Denmark – acceptance and impact of three different charging schemes
<i>Mai-Britt Herslund, Technical University of Denmark, Denmark</i></p> | <p>2845 Experiences on the deployment, quality assurance/control and operations
<i>Panagiotis Dalianis, SGI – Trademco S.A., Greece</i></p> <p>2950 Pass-autocar: Fee collection system for managing tourist coaches parking in Paris
<i>Gildas Baudez, Carte Blanche Conseil, France</i></p> |
|---|---|

09:00 – 10:30 Special Session 3 **FRAME/ITS Architecture Workshop**
Transport Planning - The Role of ITS Architectures

Organisers: Jan Tierolf, Ministry of Transport & Water Management, The Netherlands; FRAME-NET Co-ordinator Richard Bossom, Siemens Traffic Controls, United Kingdom; FRAME-S Co-ordinator

Heard about ITS Architectures, but not sure what they are? Thinking of having a national or regional ITS Architecture, but not sure how to convince your superiors? The FRAME projects will be providing a 90 minute session on the benefits of having an ITS Architecture, the risks of not having one, how to set about creating one, and how it fits into the Transport Planning process. There will be presentations that provide a non-technical overview of the subject, and time for discussion at the end. Further information on the topics to be covered can be found in the overview documents on the FRAME website at www.frame-online.net.

Moderator and speakers to be announced

10:30 – 11:00 Coffee Break

Wednesday 26 May 2004
11:00 – 12:30 Strategy Session 7 **Intelligent Vehicle Safety Systems**


This session provides an overview of the state-of-the-art in the area of Intelligent Vehicle Safety Systems, focusing on Advanced Driver Assistance Systems and Active Safety. The session will address the research developed so far under the 5th Framework Programme (FP5) ADASE 2 Thematic Network and the new Integrated projects and network of excellence that have started under the 6th Framework Programme (FP6). This session represents an opportunity to extend these projects to the new Member States of the EU.

Invited moderator:

- Mr Fabrizio Minarini, Directorate-General Information Society, European Commission

Invited speakers:

- Mr Berthold Ulmer, DaimlerChrysler Services AG, Germany
- Dr Peter Konhäuser, DaimlerChrysler Services AG, Germany
- Mr Johan Engströms, Volvo, Sweden
- Mr Jean-Pierre Médevielle, Europe Recherche Transport (ERT); INRETS, France

11:00 – 12:30 Technical Session 28 **Intelligent Speed Management**

2817 Stakeholder analysis of Intelligent Speed Adaptation (ISA)
Vincent Marchau, Delft University of Technology, The Netherlands

2835 Improving road safety with the Average Speed Information System
Guy Fremont, Cofiroute S.A., France

2819 Effects of variable speed limits on injury accidents in Finland
Pirkko Rama, VTT, Finland

2786 Trial on Intelligent Speed Adaptation in Ghent, Belgium: The results on acceptance and driving-behaviour of the test-drivers
Sven Vlassenroot, Ghent University, Belgium

2765 Field trials with ISA in Hungary
Emeli Falk, Lund University, Sweden

11:00 – 12:30 Technical Session 29 **Location Based Services**

2815 User acceptance and willingness to pay for georeferenced infomobility services: The Image Project
Simon John Edwards, University of Newcastle upon Tyne, United Kingdom

2800 Integrated, interoperable and multimodal location-based ITS services
Evangelos Bekiaris, Center for Research and Technology Hellas, Greece

2939 The relevance of European-funded projects to ITS in Europe
Michael Jupp, SPMJ Technology Consult, United Kingdom

2914 Next generation of mobile timetable information
Michael Frankenberg, HaCon Ing. GmbH, Germany

2909 Designing the path from research findings to market deployment. Image project: The business case
Vassilis Mizaras, TransEuropean Consulting Unit of Thessaloniki S.A., Greece

11:00 – 12:30 Technical Session 30 **Security & Enforcement**

2892 Secure Electronic Fee Collection systems: the cryptographic part
Rolf Suter, Rapp Trans AG, Switzerland

2766 GO MAUT - ENFORCEMENT the enforcement system of the Austrian Heavy Goods Vehicle Fee
Michael R. Bibaritsch, Prime Consulting Services, Austria

2900 Tollchecker - Integrating Multilane Freeflow enforcement in the German toll-collect project
Friedrich Neuhaus, Vitronic GmbH, Germany

2921 Compliance and enforcement in free-flow tolling systems
Christian Egeler, Rapp Trans AG, Switzerland

2785 REMOVE: Requirements for enforcement of overloading in Europe
Hans Ivan Loo, Ministry of Transport, Public Works and Water Management, The Netherlands

Wednesday 26 May 2004
11:00 – 12:30 Special Session 4 **ITS Applications in Hungary - National Road Network, City of Budapest**

The aim of this Special Session is to give an overview about the state-of-the-art of traffic information and control systems on the motorway network/national road network as well as on the roads of the City of Budapest. Presentations will be held on the systems and services in operation on the motorway network as well as on the plans for future development for a higher level of operation. The Traffic Control Centre of the City of Budapest provides many possibilities for a wide range of ITS applications for a more effective management of the traffic flow in Budapest.

Invited moderator:

- Dr Péter Lányi, Head of Section, Ministry of Economy and Transport, Hungary

Invited speakers:

- Strategic Development of Traffic Information and Control Systems on the Motorway Network
Mr Tamás Leinemann, Director for Electronics, State Highway Management Company Ltd.
- ITS Applications on the National Road Network
Dr András Gulyás, Director for Information
Mr Péter Hernádi, Head of Section; Technical and Information Services for National Roads
- Road Information System in Hungary
Ms Márta Mohácsi, Head of UTIFORM
Mr Györgyi Jancsó, Hétpont Ltd.
- ITS for Budapest
Mr Tamás Perjés, Transport Director, COWI, Hungary
- The Development of the Traffic Control Centre of the City of Budapest
Mr Zoltán Jenovai, Head of Department, Public Space Maintenance Company Ltd.

12:30 – 14:00 Lunch

14:00 – 15:30 Strategy Session 8 **ITS for Multi-Modal Services for an Enlarged Europe without Borders**


This session provides an overview of the state-of-the-art in the provision of multi-modal ITS services in an enlarging Europe, focusing on personal services such as traffic and travel information, incident and emergency handling, location-based value-added services and personal navigation. The session will address issues such as best practice in service provision, existing and new delivery mechanisms and state-of-the-art platforms and the emerging business models in the service delivery.

Invited moderator:

- Mr Juhani Jaaskelainen, Head of Sector, Mobility Services, Directorate-General Information Society, European Commission

Invited speakers:

- Prof Dr Gert Siegle, Bosch Management Support GmbH, Germany
- Dr John Miles, Managing Consultant, Ankerbold International Ltd., United Kingdom
- Mr Peter van der Perre, Project Manager, ERTICO – ITS Europe
- Mr Tamás Perjés, Transport Director, COWI, Hungary
- Dr Wolfgang A. Reinhardt, Director Regulatory Affairs, ACEA (The Association of European Vehicle Manufacturers)

14:00 – 15:30 Technical Session 31 **Traffic & Travel Management Algorithms**

2830 Using K-shortest paths algorithms to accommodate user preferences in the optimization of public transport travel
Qiujin Wu, The Nottingham Trent University, United Kingdom

2803 Application of microscopic simulation in the implementation of the Intelligent Traffic Control System
Mike Kawczynski, Peek Traffic BV, The Netherlands

2882 Traffic state determination by using fuzzy logic
Johannes Asamer, Arsenal Research, Austria

2799 How to quantify the quality of matrix estimation with traffic counts?
Casimir de Rham, International University of Monaco, Monaco

2912 Advanced algorithms for timetable information systems
Werner Sommerfeld, HaCon Ing. GmbH, Germany

Wednesday 26 May 2004
14:00 – 15:30 Technical Session 32 **Positioning & Navigation**

- | | |
|---|---|
| <p>2864 Generate and update maps as by-product of tracking vehicle fleets
<i>Péter Laborcz, Arsenal Research, Austria</i></p> <p>2928 Vehicular remote tolling services using EGNOS
<i>Umberto Guida, Alenia Spazio S.p.A., Italy</i></p> <p>2925 A precision system based on EGNOS-SISNET INS for an autonomous vehicle
<i>Rafael Toledo, Universidad de Murcia, Spain</i></p> <p>2851 EGNOS and LEO satellites for telematics applications in the inland waterway segment
<i>Marko Jandrisits, Via Donau, Austria</i></p> | <p>2764 Dynamic off-board navigation systems in a rapidly developing mobile market
<i>Oren Nissim, Telmap, Israel</i></p> <p>2885 Modelling GNSS signal availability in urban areas: an evaluation of Galileo
<i>Alan Stevens, TRL Ltd. (Transport Research Laboratory), United Kingdom</i></p> |
|---|---|

14:00 – 15:30 Technical Session 33 **Automatic Enforcement**

- | | |
|---|--|
| <p>2836 Section speed control system with vehicle type selective enforcement
<i>Max Staudinger, Efkon AG, Austria</i></p> <p>2924 Cross-border enforcement: an organisational model
<i>Jim Hammond, ACPO (Sussex Police), United Kingdom</i></p> <p>2945 Current practice of automatic enforcement in different European countries
<i>Gildas Baudez, Carte Blanche Conseil, France</i></p> | <p>2813 Enforcement: The Spanish experience
<i>Ignacio Sanchez Reig, Universidad de Valencia, Spain</i></p> <p>2780 Swiss standard for automatic traffic enforcement with digital cameras SN 671 971
<i>Simon Benz, Rapp Trans AG, Switzerland</i></p> |
|---|--|

14:00 – 15:30 Technical Session 34 **E-payment**

- | | |
|--|--|
| <p>2910 How to build an open and secure multi-service provider electronic payment system
<i>Jean-Louis Olié, Thales e-Transactions CGA S.A., France</i></p> <p>2926 2.100.000 smartcards in use in metropolitan Izmir (3.5 Million Population)
<i>E. Rhan Oncu, Kentkart Ege Ele. Ltd., Turkey</i></p> <p>2807 Acceptance of mobile ticketing: A case for user empowerment
<i>Geleyn R. Meijer, CMG Unwired Concepts, The Netherlands</i></p> | <p>2760 Municipality's role in mobile parking
<i>Hannu Kulju, Payway Ltd, Finland</i></p> <p>2804 Evaluation of parking M-payment in the Republic of Croatia
<i>Mario Anzek, Faculty of Transport and Traffic Engineering, Croatia</i></p> |
|--|--|

15:30 – 16:00 Coffee Break

16:00 – 17:00 Closing Ceremony

Master of Ceremony:

- Dr Csaba Csapodi, Director General, Ministry of Informatics and Communications, Hungary; Chair of the European Programme Committee

Concluding Comments:

- Mr Olivier Mossé, Chief Executive Officer, ERTICO – ITS Europe
- ITS in Europe, Hannover 2005
- ITS World Congress & Exhibition, London 2006
- ITS in Europe, Aalborg 2007

Please note that the order of the contributions listed does not necessarily correspond to the order of the presentations at the Congress.

Exhibition Information
The Perfect Setting for a Professional and Effective Get-Together!

The Budapest Exhibition offers the ideal place to promote your ITS-related technologies, services and specific projects to an enthusiastic and expert audience. Take advantage of this golden opportunity to meet key people from both the public and private sector with whom you can discuss your ITS visions and share ideas and innovations. Showing your latest and greatest ITS developments in Budapest will help you put your products and services directly into the Central and Eastern European market.

The Budapest Congress and Exhibition is integrated as one seamless event to provide the most value for attendees and exhibitors alike. As the Budapest Novotel Congress Centre will house both the Exhibition and Congress sessions, all event-goers will have quick and easy access to your stand.

Exhibition Themes:

Every ITS-related topic is invited for display at the Exhibition, with a special welcome extended to those exhibits that echo one or more of the following themes:

- Traffic and travel information
- Public transport systems and services
- Traffic detection and monitoring
- Active safety and driver assistance systems
- Enforcement
- Personal protection and security
- Traffic management and control
- Commercial freight and fleet management
- Urban mobility
- Positioning and navigation
- Payment systems

Exhibition Space:
A) Complete packages (excl. VAT)

8 m ²	€ 5.500
9 m ²	€ 6.000
12 m ²	€ 8.000
15 m ²	€ 10.000

Including:

- Stand construction (walls, carpet, fascia with company name)
- Electricity & lighting
- Furniture
- Internet connection
- 1 Congress registration
- Complimentary guest invitations
- Listing in official Exhibition Catalogue
- Coffee Breaks
- Link to website

B) Stand space only (As of 18 m²)

345 Euro/square meter (excl. VAT)

ERTICO – ITS Europe partners will benefit from a 10% discount on the Exhibition space rental.

Exhibition Opening Times:

Monday 24 May	10:00 – 19:00
Tuesday 25 May	10:00 – 18:00
Wednesday 26 May	10:00 – 16:00

Please note that Exhibition space at the Budapest Novotel Congress Centre is extremely limited and will be available on a first-come, first-served basis. For further information on available exhibition space and possibilities, please contact:

AXIS, a division of MOREX sa/nv
Bldv Louis Schmidt 97
1040 Brussels
Belgium
Tel: +32 (0)2 740 10 81
Fax: +32 (0)2 740 10 85
E-mail: info@itsevents.com

Technical Visits

Learn more about ITS in action in Budapest and its surroundings by taking part in one of the Technical Visits. These tours will give you first-hand exposure to some of the ITS successes in the region as well as a chance to meet the individuals who are making them happen.

Technical Visits are open to all Congress participants on a first-come, first-served basis. You must register via the Congress website, www.itsineurope.com or by completing the Congress Registration Form (pages 25-26)

Technical Visit 1

ITS Applications on the Hungarian Road Network - AKMI



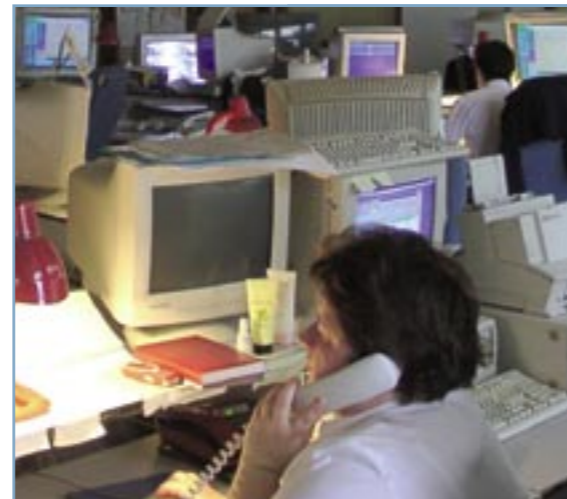
This visit includes a short presentation of the online road weather and traffic information system of the national road databank and the traffic information centre of the national road network. After the presentation, all the displayed systems will be available for guests to examine and staff will be on hand to answer any questions.



Date and time: TV1 a: Tuesday, 25 May 2004 from 15:00-17:00
 TV1 b: Wednesday, 26 May 2004 from 15:00-17:00
Participants: 30 participants maximum per visit
Location: Makadám Klub, Lövöház u. 37, 1024 Budapest
Transport: Transfer from/to Novotel Congress Centre
Price: € 30 per person

Technical Visit 2

Traffic Control Centre of Budapest



This technical visit begins with a short presentation of the Budapest Traffic Control Centre outlining the historical overview, system structure, traffic control strategy and development objectives. After the introduction, visitors can take a tour of the different fields of work at various locations: control room (service centres, data transmission, communication between centres), dispatch room (information surfaces, traffic simulation) and Automatic Vehicle Monitoring (AVM system of the public transport). The visit will conclude with an informal professional get-together where staff from the Traffic Control Centre will be on-hand to answer questions.

Date and time: TV2: Tuesday, 25 May 2004 from 14:00-16:00
Participants: 40 participants maximum per visit
Location: Traffic Control Centre of Budapest, Szabó E. tér 2, 1088 Budapest
Transport: Transfer from/to Novotel Congress Centre
Price: € 30 per person

Technical Visit 3

Traffic Control Centre of the Motorway Network

This programme starts with a detailed presentation of the operating traffic control and information systems of the motorway network operated by the Hungarian State Motorway Management Company. Then guests can visit the control room of the control system operating on the M3 motorway. This technical visit concludes with a technical discussion on the operation of the control centre.



Date and time: TV3a: Tuesday, 25 May 2004 from 9:00-12:00
 TV3b: Wednesday, 26 May 2004 from 9:00-12:00
Participants: 25 participants maximum per visit
Location: Gödöllő Motorway Operation Centre, Haraszti u. 2, 2101 Gödöllő
Transport: Transfer from/to Novotel Congress Centre
Price: € 30 per person

Receptions

Exhibition Ribbon Cutting & Welcome Reception

Network with your ITS colleagues while enjoying a cocktail before the event's Opening Ceremony on **Monday 24 May from 18:00 to 19:00** at the Exhibition.

Congress Dinner

The Congress dinner, to be held on **Tuesday 25 May from 20:00 to 23:00**, promises to be an unforgettable experience. Join us for an evening at the splendid **Ethnographical Museum**, one of the largest museums in Europe. This impressive building, designed by Alajos Hauszmann, was originally the Palace of Justice. With sculptures on the main façade depicting magistrates and legislators, the interior decoration is also beautiful, particularly the huge entrance hall with its chandeliers and marble staircases. A ceiling fresco of Justitia, the goddess of justice, dominates the lobby. The museum also houses a fine permanent exhibition of Hungarian culture and colourful folk art, as well as other cultural displays from around the world.

The dinner will be an excellent opportunity to savour some of the best food and wine Hungary has to offer in spectacular surroundings. Please note that tickets will be sold on a first-come first-served basis and may be purchased when you register via the Congress website www.itsineurope.com or by completing the Congress Registration Form (pages 25-26)



Tourist Attractions

Budapest - The City

Budapest is a city on the move. Year after year, Budapest continues to blossom with the renovation of its historic buildings and monuments as well as the appearance of new hotels and exciting cultural attractions. Already renowned as one of the most beautiful World Heritage sites, the city has the largest functioning synagogue in Europe and the continent's first underground railway. Visitors to the Hungarian capital will find the remains of fortresses and buildings from Roman times and ancient Turkish baths side-by-side with Gothic and Baroque treasures and its incredibly rich Art Nouveau architectural heritage. One of Budapest's most enticing claims to fame are its 100 thermal springs and 12 medicinal baths where 19 million gallons of thermal water rise to the surface each day.

With its bevy of historic sites, cultural diversions, tantalising food and drink, and last but definitely not least, Hungarian hospitality, visiting Budapest is truly an unforgettable experience! For more information, please consult www.budapestinfo.hu

Here are several not-to-be-missed sights to take in during your visit.



© Hungarian National Tourist Office



© Hungarian National Tourist Office

Buda Castle

The stunning Buda Castle is situated in the Castle District on Castle Hill, 180 metres above sea level. This area boasts many museums and is full of historical sites including the Royal Palace, Matthias Church and Fishermens' Bastion offering breathtaking panoramas. The most exciting way of getting to the Castle is by taking the Funicular, a cable car up the Castle Hill.

Andrássy Avenue and the Millennium Monument on Heroes' Square

Andrássy Avenue, one of the most elegant boulevards of Budapest, was built at the end of the 1800s after the unification of the city. The Millennium Underground runs underneath Andrássy Avenue. Built in 1896, it was the first underground train system on the Continent. The outstanding Hungarian State Opera House and the Pest Broadway are just some of the precious treasures of Andrássy Avenue, whilst Heroes' Square, the most spectacular square in the capital, is located at the end of the Avenue at the entrance to City Park. The Millennium Monument can be found here, erected to commemorate the thousandth anniversary of the Magyar Conquest. Archangel Gabriel stands at the top of this huge column, at the foot of which are sculptures of the seven tribal chieftains. The magnificent buildings of the Palace of Arts and the Museum of Fine Arts to the right and left of the monument enhance the fine architectural entity of Heroes' Square.



© Hungarian National Tourist Office



© Hungarian National Tourist Office



© Hungarian National Tourist Office

The City of Therapeutic Waters

The Hungarian capital features the largest number of medical thermal springs in the world and was granted the title of "Spa City" in 1934. Although baths from Roman times (2nd century) have been uncovered, the true bathing culture was initiated during the period of Turkish occupation in the 16th and 17th centuries. The two most popular are the elegant Gellért Spa Bath with its wealth of Art Nouveau furnishings, artistic mosaics and stained glass windows, and the Széchenyi Spa Bath.



Registration Information

Congress participants may select from a full registration package covering all three days of the Congress or a one-day registration fee valid for a particular day.

Registrations can be made either via the website www.itsineurope.com or by completing the Congress Registration Form (pages 25-26) and faxing or posting it back (according to means of payment) to AXIS, a division of MOREX sa/nv.

Categories	Early Registration (By 1 April 2004)	Regular Registration and On-site Registration (As of 1 April 2004)
<input type="checkbox"/> Delegate (3 days)	€ 800	€ 850
<input type="checkbox"/> Delegate (1 day)	€ 550	€ 600
<input type="checkbox"/> Speaker/Moderator	€ 725	€ 775
<input type="checkbox"/> Exhibitor (delegate belongs to an exhibiting company)	€ 725	€ 775
<input type="checkbox"/> Student (with valid ID)	€ 200	€ 250
<input type="checkbox"/> Accompanying Person	€ 75	€ 100
<input type="checkbox"/> Press (with valid ID)	FREE	FREE
<input type="checkbox"/> Congress Dinner:	€ 95	€ 95

Participants from Central and Eastern European countries (CEECs) will be granted a 25% discount on above-mentioned registration fees.



© Hungarian National Tourist Office

The Congress registration fee includes:

- Admission to all Sessions
- Admission to the Exhibition
- Congress Bag
- Congress Proceedings on CD-ROM
- Welcome Reception
- Breaks

The Accompanying Person registration includes:

- Admission to the Exhibition
- Welcome Reception
- Breaks

Congress Lunches & Coffee Breaks

Light lunches and coffee breaks will be served throughout the Congress in and near the Exhibition area.

Congress Dinner - Tuesday 25 May

The Congress Dinner promises to be a unique and unforgettable gastronomic experience showcasing true Hungarian hospitality. Plan on sampling some of the best food and wine Hungary has to offer in spectacular surroundings. Please note that tickets for the Congress Dinner are sold on a first-come, first-served basis, so you are strongly encouraged to purchase them in advance. (Please refer to page 21 for more details)

Press Information

Press with a valid Press Card are invited to attend the Congress and Exhibition free of charge. Members of the press must register and present their card when signing in at the event. Registration includes all previously mentioned Congress registration benefits including access to all Congress sessions and to the Exhibition. A press room will be provided for on-site work and for collecting exhibitor press packets. For more information, including an update on any planned on-site press conferences taking place at the Congress, please contact Mrs Michele Osterhoudt, Communications Manager, ERTICO – ITS Europe, E-mail: info@mail.ertico.com

Payment

All registration fees can be paid by credit card (Visa or Euro/MasterCard) or bank transfer or in cash (Euros only) on-site.

Cancellations and Refunds

Any registration modifications and/or cancellations must be made in writing and directed to the Registration Secretariat of AXIS, a division of MOREX sa/nv. If a cancellation is received before 25 April 2004, the amount paid will be refunded minus € 75 for the administration fee. Cancellations received after 25 April 2004 will not be entitled to a refund, but substitution is possible. Refunds will be processed after the Congress. Please note that refund rates do not apply to any bank or administration fees.

Registration Secretariat

AXIS, a division of MOREX sa/nv
Blvd Louis Schmidt 97
1040 Brussels
Belgium
Tel: +32 (0)2 740 1081
Fax: +32 (0)2 740 1085
E-mail: info@itsevents.com
Congress website: www.itsineurope.com

CONGRESS REGISTRATION FORM

Congress registrations must be made via the website www.itsineurope.com. If you do not have access to Internet facilities, please fill in this form in CAPITAL letters and post or fax it back to:

AXIS, a division of MOREX sa/nv
Blvd Louis Schmidt 97 - 1040 Brussels - Belgium
Tel: +32 (0)2 740 1081 - Fax: +32 (0)2 740 1085
E-mail: info@itsevents.com

If you send your registration form via fax or post, please do not register again via the website.

SECTION 1 - PARTICIPANT

Last name:		Title: Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/>	
First name:			
Company/Organisation:			
Address:			
City:	Postal code:	Country:	
Tel: + /	Fax: + /	E-mail:	

Declares to be aware of the General Conditions of AXIS, a division of MOREX sa/nv

SECTION 2 - REGISTRATION CATEGORIES (Please tick the box of your choice)

Congress	Early registration (by 1 April 2004)	Regular and on-site registration (by 1 April 2004)	TOTAL (Administration section only)
<input type="checkbox"/> Delegate (all days)	€ 800	€ 850	
Delegate (1 day):			
<input type="checkbox"/> Monday 24 May	€ 550	€ 600	
<input type="checkbox"/> Tuesday 25 May			
<input type="checkbox"/> Wednesday 26 May			
<input type="checkbox"/> Exhibitor (all days): Delegate belongs to an exhibiting company Stand no.:	€ 725	€ 775	
<input type="checkbox"/> Speaker Paper or Session no.:	€ 725	€ 775	
<input type="checkbox"/> Moderator Session no.:	€ 725	€ 775	
<input type="checkbox"/> Student (1)	€ 200	€ 250	
<input type="checkbox"/> Press (2)	Free	Free	
<input type="checkbox"/> Accompanying Person Accompanying Person's Name:	€ 75	€ 100	
CEECs will be granted a 25% discount on the congress registration fee.			€
Section 2 subtotal			€

- (1) Please bring a valid student card on-site.
(2) Please bring a valid press card on-site.

Last name:



SECTION 3 – CONGRESS DINNER AT THE ETHNOGRAPHICAL MUSEUM

	Cost € 95 p.p.	TOTAL (Administration section only)
<input type="checkbox"/> Tuesday 25 May 2004 20:00 - 23:00	€ 95 x =	
Section 3 subtotal		€

SECTION 4 – TECHNICAL VISITS (Please tick the box of your choice)

1 – Technical Visit: ITS applications on the Hungarian Road Network - AKMI		Cost € 30	TOTAL (Administration section only)
<input type="checkbox"/> 1a	Tuesday 25 May 2004 15:00-17:00		
<input type="checkbox"/> 1b	Wednesday 26 May 2004 15:00-17:00		
2 – Technical Visit: Traffic Control Centre of Budapest		Cost € 30	
<input type="checkbox"/> 2	Tuesday 25 May 2004 14:00-16:00		
3 – Technical Visit: Traffic Control Centre of the Motorway M3		Cost € 30	
<input type="checkbox"/> 3a	Tuesday 25 May 2004 9:00-12:00		
<input type="checkbox"/> 3b	Wednesday 26 May 2004 9:00-12:00		
Section 4 subtotal		€	

Please note that all the items mentioned above are payable in Euros only.	TOTAL	€
	VAT 25%	€
	GRAND TOTAL (VAT incl.)	€

MEANS OF PAYMENT (Please tick the box of your choice)

BANK TRANSFER
Please post or fax this Congress Registration Form to AXIS, a division of MOREX sa/nv and transfer your payment by **10 May 2004** at the latest to:
Bank: **FORTIS - Account: 001.420.30.96.65 - Swift code: GEBABEBB - IBAN: BE18 0014 2030 9665**

CREDIT CARD
I duly authorise you to charge my credit card as soon as my registration is processed.

VISA INTERNATIONAL EUROCARD/MASTERCARD

N°

Security code: (last three digits of the number on the back of the card, where the signature goes)

Expiry date:/...../..... Card holder's Name:

Please fax the Congress Registration Form to:
AXIS, a division of MOREX sa/nv Fax: +32 (0)2 740 1085

Date:/...../.....

Signature:.....



HOTEL BOOKING FORM

**MOVING TOWARDS AN INTEGRATED EUROPE
CONGRESS AND EXHIBITION
Budapest, Hungary, 24-26 May 2004**

Hotel reservations will be processed for registered Congress participants and Exhibitors only.
Please complete this form in CAPITAL letters and post or fax it back to:

AIMS International Congress Services Kft.
Budapest, Dorottya str. 3 II/10, H-1051 - HUNGARY
Tel:+36 1 266 2943 or 266 2944 Fax:+36 1 266 2946
E-mail: ertico2004@ahr-aims.com

Alternatively you can register via the congress website: www.itsineurope.com

PARTICIPANT

Last name:		Title: Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/>	
First name:			
Company:			
Address:			
Postal code:	City:	Country:	
Tel: + /	Fax: + /	E-mail:	
Accompanying person:	Title: Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/>	Last name: First name:	

HOTELS & PRICES

All rates (in Euros) are per room per night including breakfast and VAT.
Please clearly mark your choice of hotel & room type.

	SINGLE ROOM	DOUBLE ROOM

Budapest Hilton	€ 185 <input type="checkbox"/>	€ 205 <input type="checkbox"/>
Sofitel Atrium Budapest	€ 185 <input type="checkbox"/>	€ 205 <input type="checkbox"/>

Novotel Budapest Congress* *Congress + Exhibition Venue	€ 110 <input type="checkbox"/>	€ 127 <input type="checkbox"/>
Novotel Budapest Centrum	€ 130 <input type="checkbox"/>	€ 145 <input type="checkbox"/>
Mercure Budapest Korona	€ 130 <input type="checkbox"/>	€ 145 <input type="checkbox"/>

Ibis Budapest Centrum	€ 84 <input type="checkbox"/>	€ 89 <input type="checkbox"/>
Date of arrival:	Date of departure:	Late arrival: Yes <input type="checkbox"/> No <input type="checkbox"/>
Remarks:		
In case we cannot accommodate your preferred choice of hotel, please indicate below your second option:		

HOTEL RESERVATION CONDITIONS

1. Rooms will be allocated upon availability.
2. Reservations can only be made with the Hotel Reservation Form or via the Internet.
3. Accommodation can only be guaranteed when a first night deposit has been received by *AIMS International*. The deposit will be deducted from your final bill which you must settle at the hotel before checking out. A confirmation letter of the reservation will be sent by fax or e-mail.
4. All hotels are legally entitled to charge for the entire stay as booked by the client.
5. **Please note: The deadline for room reservations is 19 April, 2004.** Room reservations after this deadline can only be handled upon availability.
6. Rates include VAT and service charge.

CANCELLATIONS

All cancellations/alterations must be made in writing by letter, fax or e-mail to *AIMS International* Congress Services.

Cancellation:

3 to 2 months prior to arrival date	€ 25
2 to 0 months prior to arrival date	first night deposit
“No-Show”	one night deposit
Name change and other alteration	€ 10

MEANS OF PAYMENT

BY BANK TRANSFER

HVB Bank Hungary Rt., H -1052 Budapest, Szervita ter 8., HUNGARY
Account no. 10918001-00000002-38670017
Ref: “ITS in EUROPE”
EU Community VAT identification number: HU 10761696
IBAN format: HU 45 1091 8001 0000 0002 3867 0017

Important: When making a bank transfer, you MUST mention your name, the congress name and the purpose of your payment, so that the money can be assigned to your account. Please note that the bank fees have to be settled by the remitter.

BY CREDIT CARD

I duly authorise *AIMS International* to charge my credit card

- | | |
|---|--|
| <input type="checkbox"/> VISA | <input type="checkbox"/> EURO/MASTERCARD |
| <input type="checkbox"/> AMERICAN EXPRESS | <input type="checkbox"/> DINERS |

N°

Expiry date:/...../.....

Card holder's Name:

LIABILITY

AIMS International cannot be held responsible for any loss, injury or damage to any property, whatever the cause may be. Liability of persons and enterprises providing means of transportation or other services, however, remains unaffected. Only written arrangements are binding. We kindly ask you to authorize *AIMS* by signature to use all registration data given by this form for a computerised handling of the room reservation.

Date:/...../.....

Signature:.....

General Information

Congress and Exhibition Venue

ITS in Europe 2004 will be held at the Budapest Novotel Congress Centre, which has a unique location combining easy access to the city centre and the airport via a direct motorway link.

Budapest Novotel Congress Centre
 Alkotás utca.63/67
 H-1123 Budapest, Hungary
 Tel: +36 1 372 5400
 Fax: +36 1 466 5636
 www.novotel-bud-congress.hu

Accommodation Secretariat

The Congress Hotel Secretariat, *AIMS International*, has blocked a number of rooms for Congress delegates and exhibitors. Please complete the Accommodation form located on Pages 27-28 or visit the Congress website at www.itsineurope.com. For more information, please contact *AIMS International* directly:

Tel: +36 1 266 2943
 Fax: +36 1 266 2946
 E-mail: ertico2004@ahr-aims.com

Early Check-in

Avoid queuing on the first day at the Novotel Congress Centre by picking up your Congress bag and your information (including badge and vouchers) on Sunday 23 May. A desk will be open from 12:00 to 17:00. Please note that on-site registrations are also possible.

Programme Changes

The organisers are not liable for any changes in the programme. Please consult the website www.itsineurope.com for regular updates.

Passport and Visa Requirements

A valid passport or an EU identity card is required to enter Hungary. Non-EU citizens may require a visa. For any visa or related information, please check with your nearest Hungarian Embassy or the Hungarian Ministry of Foreign Affairs, www.kum.hu

Insurance and Liability

Registration for the Congress implies that the participant agrees that neither *ERTICO* – *ITS Europe*, *AXIS*, a division of *MOREX sa/nv* nor the Novotel Congress Centre are liable whatsoever. Participants are requested to make their own arrangements in terms of medical, travel and personal insurance.

Transport

The airport is located approximately 30 minutes from the city centre. It is advisable to take the Airport minibus which will take you anywhere in the city for a set price of HUF 2100 (€ 8.30) per person and is located at Arrivals at the Airport Minibus Service Desk, telephone +36 (0) 1 296 8555. Taxis are also available and it is recommended to use officially licensed cab companies such as TELE5, TAXI, CITY TAXI, FÖTAXI or TAXI 2000. Budapest also has an extensive public transport system.

Next Publication

The Final Programme will be published in May 2004 which will be provided on-site in the Congress bags.

Congress Language

The official language of the Congress is English.

Currency and Exchange Rate

The Hungarian currency is the Hungarian Forint (HUF). At the time of the Congress, the Forint will still be considered as the official currency of Hungary. Euros will not yet be accepted in local commerces. The Euro is the official currency for inter-banking operations and cash payments should also be made in Euro for the Congress Registration fees.

The exchange rate as of January 2004 is approximately €1 = 269 HUF / 1 HUF = € 0.0037 (www.xe.com).

Climate

Hungary has a continental climate, the hottest months being July and August and the coldest being December and January. Budapest has a relatively high number of hours of sunshine per annum - it exceeds eight hours per day between April and September! Temperatures in May range from 19C° to 25C°.

Parking Information

The Novotel Congress Centre and the Novotel Hotel provide ample parking spaces for Congress participants, exhibitors and visitors alike. Parking costs will be 200 Forint (€ 0.75) per hour.

European Congress Committees 2003-2004

Hungarian Support Committee

- ▣ Mr Botond Aba, Director General, Budapest Transport Limited
- ▣ Dr Zoltán Bodnár, Director General, National Motorway Company
- ▣ Mr Csaba Csordás, Director, UKIG – Directorate for Road Management and Co-ordination
- ▣ Dr Gábor Demszky, Mayor, Municipality of Budapest
- ▣ Dr Ákos Detrekői, Rector, Budapest University of Technology and Economics
- ▣ Dr György Hajdu, Director General, Metropolitan Public Space Maintenance Company Ltd.
- ▣ Mr Oszkár Hegedüs, President, Hungarian Automobile Club
- ▣ Mr Péter Hetényi, President – Chief Executive Officer, Siemens
- ▣ Mr Miklós Horváth, Managing Director, MASPED TLOG
- ▣ Mr Zoltán Szabó, Managing Director, ÁKMI – Technical and Information Services on National Roads
- ▣ Mr Zoltán Tankó, Deputy Director General, MATÁV – Hungarian Telecommunication Company
- ▣ Mr József Timár, Director General, State Motorway Management Co. Ltd.
- ▣ Mr Sándor Tombor, President, MAÚT – Hungarian Road Association

Hungarian Programme Committee

- ▣ Chairperson: Dr Ágnes Lindenbach, Associate Professor, Department of Highway and Railway Engineering, Budapest University of Technology and Economics
- ▣ Dr Előd Both, Director, Hungarian Space Research Bureau
- ▣ Dr Csaba Csapodi, Director General, Ministry of Informatics and Communications, Department for EU Integration and Regulation
- ▣ Mr Mihály Csordás, Head of Transport Department, City of Budapest
- ▣ Mr Péter Hernádi, Head of Section, ÁKMI – Technical and Information Services on National Roads
- ▣ Mr Zoltán Jenovai, Head of Traffic Department, Metropolitan Public Space Maintenance Company Ltd.
- ▣ Dr Péter Lányi, Head of Section, Ministry of Economy and Transport
- ▣ Mr Tamás Leinemann, Director for Electronic, State Motorway Management Co. Ltd.
- ▣ Mr Péter Mátyás, Managing Director, SIEMENS
- ▣ Mr Tamás Perjés, Transport Director, COWI Hungary
- ▣ Mr Lajos Szűcs, Director General, Ministry of Economy and Transport, Department for Transport Policy
- ▣ Mr Sándor Tombor, President, MAÚT – Hungarian Road Association
- ▣ Mr András Tóth, Head of Section, Ministry of Economy and Transport, Department of Transport Policy
- ▣ Mr Tamás Zsolnay, Director General, Ministry of Economy and Transport, Department for EU and International Co-ordination

European Programme Committee

- ▣ Chairman: Dr Csaba Csapodi, Director General, Ministry of Informatics and Communications, Department for EU Integration and Regulation, Hungary
- ▣ Mr Olivier Mossé, Chief Executive Officer, ERTICO – ITS Europe
- ▣ Mr Daniel Augello, Transportation Policy Delegate, Renault, France
- ▣ Mrs Cornélien Baijens, AXIS, a division of MOREX sa/nv
- ▣ Dr Ghassan Freij, Director of Operations, ERTICO – ITS Europe
- ▣ Mr Johan Grill, Director General, Brussels Office, AIT-FIA
- ▣ Mr Dean Herenda, Under Secretary, Ministry of Transport, Slovenia
- ▣ Dr Balázs Hetyéssy, Ministry of Informatics and Communications, Department for External Relations, Hungary
- ▣ Mr Ivan Hodac, Secretary General, ACEA
- ▣ Mr Ervin Kajzinger, Head of Unit, Ministry of Informatics and Communications, Department for External Relations, Hungary
- ▣ Mr Keith Keen, Scientific Officer, DG TREN, European Commission
- ▣ Mr Andreas Kopp, Head of Unit, Economic Research, European Conference of Ministers of Transport, (ECMT)
- ▣ Dr Péter Lányi, Head of Section, Ministry of Economy and Transport, Hungary
- ▣ Dr Ágnes Lindenbach, Associate Professor, Department of Highway and Railway Engineering, Budapest University of Technology and Economics, Hungary
- ▣ Mr Fabrizio Minarini, Administrator, DG INFSO, European Commission
- ▣ Mr Imre Pásti, Traffic Planning Expert, Municipality of the City of Budapest, Traffic Department, Traffic Control Division, Hungary
- ▣ Mr Tamás Perjés, Transport Director, COWI Hungary
- ▣ Dr Pavel Přebyl, President, Czech Association for Transport Telematics, Czech Republic
- ▣ Mr Gerard R. de Regt, General Manager, European Public Affairs, Royal Dutch Touring Club ANWB, The Netherlands
- ▣ Mrs Szezsanka B. Sztatényi, Director, Ministry of Economy and Transport, Department for EU and International Co-ordination, Unit for International Transport Organisations, Hungary
- ▣ Mr Lajos Szűcs, Director General, Ministry of Economy and Transport, Department for Transport Policy
- ▣ Mr Kees Wevers, Senior Manager, Industry Relations-Europe, Navigation Technologies, The Netherlands
- ▣ Mr Tamás Zsolnay, Director General, Ministry of Economy and Transport, Department for EU and International Co-ordination, Hungary

Acknowledgements

The organisers of the 4th European Congress on ITS wish to give their special thanks to the sponsors for their active participation in the promotion of the forthcoming event:



ÁKMI-Technical and Information Services on National Roads



Hungarian Automobile Club



City of Budapest



Budapest Transport Ltd.



Metropolitan Public Space Maintenance Company Ltd.



Budapest University of Technology and Economics



MAÚT-Hungarian Road Association



MASPED TLOG

SIEMENS

SIEMENS



State Motorway Management Co. Ltd.



National Motorway Company



MATÁV-Hungarian Telecommunication Company



UKIG-Directorate for Road Management and Co-ordination

ERTICO – ITS Europe would like to thank the Hungarian National Tourist Office for providing many of the photos included in this brochure.



Sponsorship Opportunities

ITS in Europe 2004 will enable you to reach the most powerful players within the ITS industry. You will have the unique opportunity to address a highly influential assembly of key decision-makers, all interested in acquiring more knowledge, skills and business contacts.

Sponsorship will be one of the most effective ways to strengthen your position within the ITS market and should be considered as a valuable part of your promotional plan.

Sponsorship opportunities are still available. For further information please contact:

Mrs Cornélien Baijens
 AXIS, a division of MOREX sa/nv
 Blvd Louis Schmidt 97
 1040 Brussels
 Belgium
 Tel: +32 (0)2 740 10 81
 Fax: +32 (0)2 740 10 85
 E-mail: info@itsevents.com



Congress & Exhibition

Moving Towards an Integrated Europe

24-26 May 2004, Novotel Congress Centre, Budapest, Hungary

Congress & Exhibition Organisation

AXIS, a division of MOREX sa/nv
Mrs Cornélien Baijens
Blvd Louis Schmidt 97
1040 Brussels
Belgium
Tel: +32 (0)2 740 10 81
Fax: +32 (0)2 740 10 85
E-mail: info@itsevents.com
www.itsineurope.com

Hotel Reservations

AIMS International
Mrs Borbála Kasza
Dorottya u.3.11.10
H-1051 Budapest, Hungary
Tel: +36 1 266 29 43
Fax: +36 1 266 29 46
E-mail: ertico2004@ahr-aims.com

Congress Programme

ERTICO – ITS Europe
Ms Emma Saunders
Avenue Louise 326
B-1050 Brussels, Belgium
Tel: +32 (0)2 400 07 00
Fax: +32 (0)2 400 07 01
E-mail: e.saunders@mail.ertico.com
www.ertico.com



www.itsineurope.com

PRELIMINARY PROGRAMME

www.itsineurope.com

