

# ”ON SAFE ROADS IN THE XXI. CENTURY” 4<sup>TH</sup> CONFERENCE



**25-27<sup>th</sup> October, 2006**  
**Congress Park Hotel Flamenco**  
Budapest, Hungary  
**SECOND ANNOUNCEMENT**  
PRELIMINARY PROGRAM

**ON SAFE ROADS IN THE XXI. CENTURY**

**4<sup>TH</sup> CONFERENCE**

**SECOND ANNOUNCEMENT**

**Preliminary Program**

**25-27 October 2006  
Congress Park Hotel Flamenco  
Budapest, Hungary**

**THE CONFERENCE IS SUPPORTED BY**

AIPCR/PIARC World Road Association  
AIPCR/PIARC Hungarian National Committee  
ERTICO Intelligent Transport Systems and Services - Europe  
Ministry of Economy and Transport, Hungary  
Ministry of Informatics and Communications, Hungary  
MAÚT Hungarian Road Association  
Hungarian Roads Company (Magyar Közút Kht.)

**THE CONFERENCE IS SPONSORED BY**

**AKA Alföld Koncessziós Autópálya Rt.**

**Vegyépszer Zrt.**

# WELCOME

We are looking forward to see you at the Conference "*On safe roads in the XXI. century*" in Budapest. The fourth Conference to be held under this name will give a forum for evaluating the declared European traffic safety guidelines. The objectives set by the European Union obviously present a more difficult challenge to the newly accessed CEE countries compared to the traditional Union countries due to their typically lower road infrastructural standards, lower motorization rates and higher accident risk rates. The objectives of this Conference includes the review of the existing working solutions or traffic safety measures successfully implemented in any other parts of the world.

The Sections shown in the issued Conference Program have been defined to cover the areas of transport policy, intelligent transport systems and cost efficient traffic management systems, and to present the latest findings of traffic research work. Several international organisations have offered to hold associated technical presentations and meetings. The Draft Program completed by the Scientific Committee of the Conference is presented to you to call your attention and interest to understand this country and region, as well as to invite you to tell your own experiences and comments, and express your willingness to contribute to the achievement of the European objectives. All regular participants and newly joining participants will be most welcome at the forthcoming Conference "*On safe roads in the XXI. century*".

Along with the technical discussions, in the 2006 October season you will also have an opportunity to get acquainted with the geographic assets and traffic patterns of Budapest and Hungary. It is also a special period celebrating the 50<sup>th</sup> anniversary of the Hungarian Revolution of 1956.

Dr. Péter Lányi  
Chairman of the Organising Committee

## PATRON

**János Kóka**, Minister  
Ministry of Economy and Transport, Hungary

## SCIENTIFIC COMMITTEE

**Jean-François Corté**, Secretary General  
PIARC/AIPCR World Road Association

**Roland Weber**, Head of Section  
Federal Highway Research Institute, Germany

**Ziemowit Cyndrowski**  
General Directorate of National Roads and Motorways, Poland

**Arnold van Zyl**, Chief Executive Officer, ERTICO

**Péter Holló**, Head of Department  
Institute for Transport Sciences Ltd., Hungary

**András Kovács**, Director General  
Department for Roads, Ministry of Economy and Transport, Hungary

**Domokos Jankó**, Director  
Road Safety Research Office, Hungary

**Csaba Koren**, Professor, Head of Department  
Széchenyi István University, Győr, Hungary

**Josef Mikulik**, Director  
Transport Research Centre, Czech Republic

**Ferenc Pausz**, Colonel, Deputy-General Director of Road Safety  
ORFK, Hungary

## HUNGARIAN ORGANISING COMMITTEE

**Péter Lányi**, Head of Section  
Ministry of Economy and Transport, Member of the Board of MAÚT, Hungary  
(chairman of the Organising Committee)

**Ágnes Lindenbach**, Secretary General  
ITS Hungary Association

**Miklós Murányi**, Director  
National Motorway Company, Hungary

## GENERAL INFORMATION

### DATE OF THE CONFERENCE

25-27 October 2006

### VENUE OF THE CONFERENCE

#### **Congress Park Hotel Flamenco**

Tas vezér u. 7, Budapest XI., Hungary

The venue is reachable:

- from the Moszkva tér (Moscow square) station of the underground No. 2 by tram No. 61.
- from the Móricz Zsigmond körtér (circus) on foot

### CONFERENCE OFFICE

#### **Meeting Budapest Organizing Ltd.**

- **before 25 and after 27 October 2006:**

Szilágyi u. 3., H-1081 Budapest, Hungary

Tel.: 36/1/459-8060

36/1/459-8061

Fax: 36/1/459-8065

E-mail: meeting@euroweb.hu

- **between 25 - 27 October 2006:**

Registration will be in the foyer of the *Congress Park Hotel Flamenco*

Registration opening hours:

24 October 2006, Tuesday	10.00 – 18.00
25 October 2006, Wednesday	07.00 – 18.00
26 October 2006, Thursday	08.00 – 18.00
27 October 2006, Friday	08.00 – 13.00

Registration fee:

	<b>before</b>	<b>after</b>
	15 August 2006	15 August 2006
Participant	<b>460.-EUR</b>	<b>520.-EUR</b>
Accompanying person	<b>100.-EUR</b>	<b>100.-EUR</b>

### **PARTICIPANT'S FEE INCLUDES:**

- participation on the Scientific Programmes
- badge
- conference document (book of abstracts and proceedings on CD-ROM)
- list of participants
- invitation to the welcome reception
- lunch (25, 26, 27)
- coffee and refreshment tickets
- V.A.T.

### **ACCOMPANYING PERSON'S FEE INCLUDES:**

- badge
- invitation to the welcome reception
- participation on the Budapest sightseeing program

### **OFFICIAL LANGUAGE**

The official languages of the conference are English and Hungarian, simultaneous translation will be provided throughout the conference.

### **BADGE**

Each participant and accompanying person receives a badge (name tag) at the registration. We kindly ask you to wear it during all activities of the conference. Thank you.

## **EXHIBITION**

A parallel exhibition will be organized during the conference (road safety equipment, traffic lights, traffic information and control systems, etc.).

<b><u>EXHIBITION RATES:</u></b>	space only:	120 EUR/m <sup>2</sup>
	shall scheme:	150 EUR/m <sup>2</sup>

Because limited size of the exhibition place please reserve your space for the exhibition as soon as possible.

All enquires regarding participation in the exhibition should be directed to Conference office.

## TIMETABLE OF THE CONFERENCE

### 25 OCTOBER 2006, WEDNESDAY

- |        |                                  |
|--------|----------------------------------|
| 9. 00  | Opening Ceremony                 |
| 10. 00 | Exhibition Opening, Coffee Break |
| 10. 20 | Session I.                       |
| 13. 00 | Lunch                            |
| 14. 30 | Session II.                      |
| 20. 00 | Welcome Reception                |

### 26 OCTOBER 2006, THURSDAY

- |        |  |
|--------|--|
| 9. 00  | Session III.                                       |
| 11. 00 | Coffee Break                                       |
| 11. 20 | Session III. (2 <sup>nd</sup> part)                |
| 13. 00 | Lunch  |
| 14. 30 | Session IV.  |
| 15. 50 | Poster Session, Coffee Break                       |
| 16. 20 | Session IV. (2 <sup>nd</sup> part)                 |
| 20. 00 | Conference Dinner on the Danube (Optional Program) |

### 27 OCTOBER 2006, FRIDAY

- |        |                                   |
|--------|-----------------------------------|
| 9. 00  | Session V.                        |
| 10. 40 | Coffee Break                      |
| 11. 00 | Session V. (2 <sup>nd</sup> part) |
| 12. 00 | Closing Ceremony                  |
| 12. 30 | Lunch                             |

## SCIENTIFIC PROGRAM

25 OCTOBER 2006, WEDNESDAY

### SESSION I.

#### ***“ROAD SAFETY AS ACTUAL ISSUE OF TRANSPORT POLICY”***

**Co-chairs:** Jean-François CORTÉ (PIARC) – András KOVÁCS (H)

1. **Ladislau G. A. UDVARDY (RO)**  
Comprehensive Road Strategies Including the Road Safety Pre-Auditing
2. **Kornelija RATKEVIČIŪTĖ, Donatas ČYGAS, Alfredas LAURINAVIČIUS (LT)**  
The Methodology of Selection Traffic Safety Improvement Measures in Lithuanian Road Network
3. **Attila GÖNCZI, Dumitru IANCULUI (RO)**  
Romania at the Gates of the EU – a Road Safety Policy Assessment
4. **Domokos JANKÓ (H)**  
Road Safety Management System in Hungary
5. **Péter HOLLÓ (H)**  
Has any Reality the EU's Road Safety Target in Hungary?
6. **Csaba KOREN (H)**  
A Comparison of Road Safety in two European and two Asian Countries
7. **Ferenc PAUSZ (H)**  
The Experience of the Stable Measurement of Velocity (speed) in Hungary
8. **Michel GOPPEL (NL)**  
Partners for Roads – experiences and future plans
9. **Sumei LI, Gaozhan ZHOU (RC)**  
Analysis of Highway Traffic Accidents in China

## SESSION II.

### ***“TRAFFIC ENGINEERING AND ROAD CONSTRUCTION MEASURES”***

**Co-chairs:** Josef MIKULIK (CZ) – Péter LÁNYI (H)

1. **Etienne DE WINNE (B)**  
Safety and Geometric Aspects of Humps and Road Crossings
2. **Zdenek HRUBY (CZ)**  
Research of Road Traffic Safety Improvement by Means of Traffic Engineering and Traffic Organization Measures (BESIDIDO Project Structure)
3. **Veronique CEREZO - Michel GOTHIE (F)**  
Heavy Goods Vehicles' Accidents in Roundabout: the "Longitudinal Slope Effect"
4. **Tamás BERTA, Tamás BÉCSI (H)**  
Effects of Traffic Calming Tools Installed on Urban Roads on Speed
5. **Péter HERNÁDI, Zoltán JÁKLI, Ernő KISS (H)**  
Transport Safety Status of the Motorway Sections Operated by the State Motorway Management Co. LTD (ÁAK)
6. **Attila BORSOS (H)**  
Possibilities of Marketing Towards the Improvement of Road Safety

**26 OCTOBER 2006, THURSDAY**

## SESSION III.

### ***“HUMAN FACTORS AND CASE STUDIES”***

**Co-chairs:** Roland WEBER (D) – Domokos JANKÓ (H)

1. **Anil SHARMA (UK)**  
Experiences of Post Implementation Road Safety Audit of a Access Controlled Urban Bypass in a Developing Environment, Case Study of Chennai Bypass India.
2. **Ath. TSANTSANOGLOU, F.KEHAGIA, G.TSOHOS (GR)**  
Motorways Versus National Road Network: a Comparison Study of Road Safety

3. **Dirk BOENKE (D)**  
Securing Mobility of Elderly People in Traffic
4. **Matthias DIETZE, Christian LIPPOLD (D)**  
The Impact of Planting on Driving Behaviour and Road Safety
5. **Iris UTZMANN (D)**  
Methodological Procedures of Measuring the Effectiveness of Road Safety Education Measures
6. **Valentin ANTON, Silviu BRATEANU (RO)**  
Using Combined Solutions for Calming Traffic on Main Transportation Arterials in Bucharest
7. **Ivan LEGAC (CR)**  
Modelling and Arrangement of the Official Passages in the Median Strip of Motorways
8. **Nikolaos ELIOU (GR)**  
Comparative Analysis of Risk Perception Between car Drivers and Motorcyclists in Greece
9. **Christian LIPPOLD, Ralph SCHULZ (D)**  
Orientation Sight Distance – Definition and Evaluation
10. **Marco PASETTO, Andrea MANGANARO (I)**  
Analysis of the Operative Safety Conditions in the Road Curvilinear Elements
11. **Andreas VESPER (D)**  
Public Private Partnership (PPP) as a Possibility for the Operation of Traffic Lights and Traffic Control in Urban Areas in Order to Improve Traffic Safety on Roads

#### **SESSION IV.**

##### ***“INTELLIGENT TRANSPORT SYSTEMS/SERVICES”***

**Co-chairs:** Arnold van ZYL (ERTICO) – Ágnes LINDENBACH (H)

1. **Caj HOLM, Pekka PLATHAN (FIN)**  
Varo Alert Driver Warning Service for Dangerous Road Conditions
2. **Karel SCHMEIDLER (CZ)**  
The Role of Transport Research Centre in HUMANIST Programme

3. **Martin WINKELBAUER (A)**  
"Traffic Information and Management Systems: Improving Performance by Training of Operators"
4. **Silja ASSENMACHER, Olaf WEINRICH, Fritz BUSCH (D)**  
Increasing Traffic Safety by Advanced Driver Information Systems - Potentials and Recent Findings
4. **Tamás SZAFKÓ (H)**  
Overview of the Present State of ITS Standardization in the World, and Overview of the CALM Concept
6. **Brendan HALLEMAN (BE)**  
GIROADS – GNSS Introduction in the Road Sector
7. **ERTICO (speaker will be defined later)**  
eSafety initiative – achievements and future tasks

**27 OCTOBER 2006, FRIDAY**

**SESSION V.**

***“ACCIDENT ANALYSES AND MODELS”***

**Co-chairs:** Ziemowit CYNDROWSKI (PL) – Péter HOLLÓ (H)

1. **Jens HÜGEL (CH)**  
Study on Identifying the Main Cause and Casual Sequences of Accidents, as well as on Giving Guidance to Policy and Decision Makers for Future Actions
2. **Slawomir HELLER (D)**  
Determining Safety Relevant Indicators of Road Surface Based on Elementary Condition Data
3. **Peter SALEH, Peter MAURER, Michael ALEKSA (A)**  
MARVin - Model for Assessing Risks of Road Infrastructure
5. **Valentin ANTON, Cristian CALIN (RO)**  
Considerations Regarding Applicability of Transport Models in Safe Urban Traffic in Romania
5. **Jan KUDRNA, Luděk MALIŠ, Leoš NEKULA, Antonín VOJTĚŠEK (CZ)**  
Road Skid Resistance Influence on the Number of Crash Accidents

6. **Bruna FESTA, Giovanni GIULIANA, Lucia SPARAVIGNA (I)**  
The Use of Data Mining Techniques for Individuation of Causes of Road Accidents
7. **Domokos JANKÓ, Sándor SZÉNÁSI (H)**  
Black Spot Treatment System Using a „Hunting for Irregular Pattern” Process and a Safety Knowledge-Base
8. **Marco PASETTO, Gianpaolo BORTOLINI (I)**  
The Accidents Rate in Urban Area Intersections: the Use of Neural Artificial Net to Improve the Road Safety
9. **Chen YONGSHENG , Xiaoduan SUN (RC)**  
Study on Speed Differential and it's Safety Impact of Freeway

### **POSTER SESSION**

1. **Valentin ANTON, Silviu BRATEANU (RO)**  
Rehabilitation for the Urban Network Using Computer Simulation (Piata Charles de Gaulle - Bucharest)
2. **Valentin ANTON, Cristian CALIN (RO)**  
Vehicle Traffic Survey Using Integrated Video System
3. **Péter MATULA (H)**  
3M Traffic Sensing System – CANOGA
4. **Tamás HORVÁTH (H)**  
ITS and Ground Based GNSS Augmentation Systems
5. **Gábor TARÁNY (H)**  
Road Resistance Barriers of DUNAFERR Acélszerkezeti Kft.

## **OPTIONAL PROGRAM**

### **BUDAPEST SIGHTSEEING TOUR**

Date: 25 October 2006, Wednesday

Time: 14.00 – 17.00

Departure: from the front of the Congress Park Hotel Flamenco

Price: **25.- EUR**

(included in the accompanying persons' fee!)

Minimum number of participants: 20 people

A three-hour sightseeing tour introducing the capital's most attractive features. The tour includes among others: Heroes' Square with the Millennium Monument and Gellért Hill, which offers a breathtaking panorama of the city.

#### **CONFERENCE DINNER ON THE RIVER DANUBE**

Date: 26 October 2006, Thursday

Time: 20.00 – 23.00

Departure: from the landing place of Vigadó tér

Price: 60.-EUR (dinner included)

Minimum number of participants: 50 people

Three hours cruising on the river Danube. An English-speaking tourist guide tells all the important and historical information about the capital.

The illuminated Budapest gives a wonderful frame for the dinner. The price includes the buffet-table dinner, red and white wine and draft beer. There will be organ music during the meal.

## **ACCOMODATION**

### **Park Hotel Flamenco\*\*\*\***

Tas vezér u. 7., Budapest XI., Hungary

**Single room price: 100.- EURO / night**

**Double/Twin-bedded room price: 110.- EURO / night**

This modern superior first class hotel is located in a quiet, residential area overlooking a beautiful, attractive park with a small lake on the green Buda side of the Danube, but still close to the city centre, business and shopping districts of the capital.

***Prices are to be understood per room per night with bath or shower, including breakfast, service and VAT.***

For hotel reservation, please indicate the dates of arrival and departure on the Registration Form. Reservation will be confirmed by mail or e-mail. Please send one night's deposit.

## METHOD OF PAYMENT

The payment of the registration fee, hotel deposit and full payment for optional programmes should be made

by **bank remittance** to be transferred to:

### **HUNGARIAN FOREIGN TRADE BANK LTD.**

Váci u. 38., H-1056 Budapest, Hungary

Account: Meeting Budapest Ltd.

Account No.: **MKB 10300002-20332521-00003285**

Swift code: MKKB HU HB

**PLEASE INDICATE YOUR NAME AND „ ON SAFE ROADS...” ON YOUR MONEY TRANSFER AND ATTACH PHOTOCOPY OF THE BANK DRAFT TO THE REGISTRATION FORM! THANK YOU.**

by **credit card**

I agree that you charge the above amount to:

American express          EuroCard / MasterCard          Visa  
Card number: \_\_\_\_\_ Expiry date: \_\_\_\_\_

Card Verification Code\*: \_\_\_\_\_

Cardholder' s name: \_\_\_\_\_

Cardholder's address: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

\* The entire card number or the last four digits of the card number appear on the signature panel of your Visa or Euro/Master card. The card number is followed by a three-digit value, which is called card verification code.

### **CONFIRMATION**

On having received your registration form and the bank draft of your remittance your registration and hotel reservation will be confirmed.

### **METHOD OF CANCELLATION:**

Should participants or accompanying persons cancel the registration, hotel reservation and optional program **before 15 September 2006**, all fees will be returned, less 10% handling charge. No refund can be made for registration and hotel deposit **after 15 September 2006**.

**ONLY WRITTEN CANCELLATION CAN BE ACCEPTED!**

## USEFUL INFORMATION

Budapest, a city of 2.1 million people stands for a lot more than being the capital of Hungary. It is a grand icon of the past and a modern metropolis. You can discover influences from Roman times, from Turkish domination in the 16<sup>th</sup> and 17<sup>th</sup> centuries, and from the days of Austro-Hungarian Monarchy. You are encouraged to visit one of the thermal spring baths, and any of the restaurants with famous Hungarian cuisine. We hope that you find the scientific program stimulating and the social events attractive. In the followings we would like to give you some useful information to make your visit in Hungary pleasant.

### TRAVEL HINTS

On arrival by air to Budapest Ferihegy Airport, it is advisable to use the Airport Minibus Service, which takes you anywhere in the town for a set price of about 3000 HUF per person. Check in at the Arrivals at the Airport Minibus Service Desk.

On arrival by train you can take a taxi at railway station, but the prices are not set. Too high prices and uncomfortable situation can appear, so getting car of well-known taxi companies is advisable, for example TELE5 TAXI, CITY TAXI, FÓTAXI, TAXI2000.

### PUBLIC TRANSPORT IN BUDAPEST

Budapest has an extensive public transport system, which ensures access to all part of the city by metro, bus, tram, trolley bus or even suburban railway. Tickets are sold every metro station, bus terminal. A ticket costs HUF 185,- and is valid for one trip on metro on a tram, bus or trolley bus line. 1-day, 7-day, 14-day and 30-day passes are also available.

#### Tickets (HUF)

for one run	185,-	for 10 runs	1.665,-
for 1 day	1.150,-	for 3 days	2.500,-
for 7 days	3.400,-	for 30 days	6.900,-

Passengers travelling at a short distance or only change once on the underground can use the metro and the Millennium underground with a discount ticket. Depending on the type of their trip, passengers can choose from 3 types of tickets in addition to the single tickets that can be used further:

SINGLE TICKETS – HUF 185,- : valid for one interrupt single trip without changing lines, for one hour following in time code stamped in the ticket with

the exception of the M1 (yellow line) where the tickets are valid for 30 minutes.

METRO SECTION TICKET – HUF 130,-: valid for one trip without changing line for up to 3 stops and 30 minutes.

METRO TRANSFER TICKET – HUF 300,-: valid for one trip with one change without any limitation on the number of stops for up to one hour.

## **NOTICE FOR DRIVERS**

The speed limits are 130, 80 and 50 km per hour on motorways, on rural highways and in cities, respectively. During driving, the use of headlight is compulsory. In Hungary, drinking alcohol totally is prohibited while driving.

## **PASSPORT AND VISA – [www.mfa.gov.hu](http://www.mfa.gov.hu)**

As a result of the EU-accession on 1 May 2004 Hungary is now the member of the European Union. Residents of other EU-member states can visit Hungary with Identity Card. Other foreign visitors travelling to Hungary should hold a passport and maybe a valid visa except for citizens of most European countries. **Please check the visa and passport regulations between your country and Hungary before your travel arrangements.** Visa can be granted by Hungarian Embassies and Consulates.

## **INSURANCE**

Participants should arrange health and travel insurance prior to arrival in Hungary. The registration fees do not include provision for the insurance of participants against personal accidents, sickness, theft or property damages. This applies to all events during the Conference period. Participants are advised to take out whichever insurance they consider necessary.

## **CURRENCY, EXCHANGE, CREDIT CARDS - [www.xe.com/ucc/](http://www.xe.com/ucc/)**

Official currency is the Hungarian Forint (HUF)

The exchange rate: 1 USD equals to about 210 HUF, 1 EURO to about 250 HUF, it is subject to changes depending on the daily rate of exchange. Foreign currency can be brought into Hungary without restriction. When leaving the country, you can re-exchange HUF up to 50% of the total sum exchanged during your stay in Hungary. Receipt showing your official exchange is required. Exchange facilities are offered to participants at the airport, in hotels, and at the site of the Conference. American Express, Visa, Dinners Club, Euro card are accepted in large hotels, first class restaurant and city stores, but you should ask before ordering services.

## **CLIMATE AND CLOTHING**

Hungary has a continental climate. Weather is really changeable in October with temperatures about 10-20 °C. Formal dress is not required for any scientific programmes. For the excursion casual wear is advised.

## **ELECTRICITY SUPPLY**

In Hungary, electricity is supplied at 220V, 50Hz. The 2-pin connecting plug is different from that used in some countries e.g. USA, UK, Japan etc. Hotels may provide outlets suitable for operating shavers.

## **CONFERENCE OFFICE**

### **MEETING BUDAPEST ORGANIZING LTD.**

Szilágyi u. 3, 1081 Budapest, Hungary

Tel.: (+36 1) 459-8060 or (+36 1) 459-8061

Fax: (+36 1) 459-8065

E-mail: [meeting@euroweb.hu](mailto:meeting@euroweb.hu),

Web: [www.meetingbudapest.hu](http://www.meetingbudapest.hu)