



March 2005

## International Seminar on Road Pricing with emphasis on Financing, Regulation and Equity

11-13 April, 2005, Cancún, Mexico

### Purpose and targeted audience

The World Road Association (PIARC) is aimed at sharing technical and economic knowledge for road building and management.

The PIARC Technical Committees on Road System Economics (TC 1.1) and Financing Road System Investment (TC 1.2) have programmed the International Seminar on Road Pricing in order to make the best practice and economic advice available to administration managers, specialized engineers and economists, university teachers and researchers.

### Seminar venue and languages

The Seminar will be held on 11-13 April, 2005, in Cancun, State of Quintana Roo, Mexico, under the aegis of PIARC.

The two official languages of the Seminar are English and Spanish. A simultaneous translation service will be provided throughout the seminar.

### About Cancun, Mexico

Sea-side resort

Archaeological treasures

International airport with direct flights  
from and to many cities

High-quality hotels

For more information visit

[www.cancun.info](http://www.cancun.info)



PIARC: [www.piarc.org](http://www.piarc.org)  
TC 1.1 Road System Economics  
TC 1.2 Financing Road System Investment

## Themes

Recently there have been several implementations of road pricing at the town or country level, by virtue of strong political decision-making allied to modern and sometimes innovative technology. These implementations highlight the objectives of road pricing: namely, the financing of infrastructure, as well as demand management and traffic regulation.

The aim of the Seminar is to address the goals and impacts of road pricing, and to assess their importance on the basis of both case studies and more theoretical contributions.

The following issues will be addressed throughout the programme:

- 1- User responses and traffic impacts
- 2- Impacts and the issue of equity
- 3- Managing for acceptability
- 4- Commercial traffic and charging systems
- 5- Road pricing schemes and demand management
- 6- Economic evaluation of congestion charging
- 7- Funding and policy issues

### Organization Committee

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Jorge Acha Daza	ITS Unit, Instituto Mexicano del Transporte
Jim March	U.S. Federal Highway Administration Office of Policy, TC 1.1 Member
Barry Moore	National Transport Commission, Australia, TC 1.1 Member

## Programme of Monday 11 April 2005

16:00-18:00 Registration

18:00-18:30 Welcome address (Mexican Secretary for Transport)

18:30-19:00 Presentation of PIARC and its activities

19:00-21:00 Welcome cocktail

## Programme of Tuesday 12 April 2005

### 08:30-10:30 Session 1 *User responses and traffic impacts*

Chairman: Jim March (PIARC TC 1.1, USA)

*The New Jersey Turnpike Road Pricing Initiative: Analysis of Traffic Impacts.* Kaan Ozbay, State University of New Jersey

*The Port Authority of New York and New Jersey Road Pricing Initiative: User Impacts.* Jose Holguin-Veras, Rensselaer Polytechnic Institute (by Kaan Ozbay)

*Cost Estimation of Traffic Externalities for Determination of Tolls in New Highways.* Alberto Mendoza, Instituto Mexicano del Transporte (in Spanish)

*Congestion pricing on a road network: a study using the dynamic equilibrium simulator METROPOLIS.* André de Palma (Université de Cergy-Pontoise and ENPC), Moez Kilani (Université du Centre de Sousse), and Robin Lindsey (University of Alberta)

10:30-11:00 Coffee-Break

### 11:00-13:00 Session 2 *Impacts and the equity issue*

Chairman: Alan Clark (PIARC TC 1.1, Scotland)

*Urban Tolling in Norway - Practical Experiences, Social and Environmental Impacts and Plans for Future systems.* Kristian Wærsted, Norwegian Public Roads

*UK Road Pricing Feasibility Study: Modelling the Impacts.* Alex McFarlane, UK Department for Transport

*New Toll Road vs. Tolling Existing Motorways in Metro Washington: Alternatives, Impacts, and Implications for Public Transport and Equity.* Michael Replogle, Environmental Defense, USA

*Quantitative Welfare Analysis of Road Pricing/Toll Pricing -Post Evaluation.* Hisayoshi Morisugi, Graduate School of Information Sciences Tohoku University, Japan

13:00-14:00 Lunch break

### 14:00-16:00 Session 3 *Managing for acceptability*

Chairman: Barry Moore (PIARC TC 1.1, Australia)

*Users' attitudes towards toll financing - a cross section assessment of Norwegian toll systems.* Anne Kjerkreit, James Odeck, Norwegian Public Road administration

*An offer you can't refuse: an introduction to how the Norwegian toll rings came through.* Jon-Terje Bekken and Oddgeir Osland, Institute of Transport Economics, Norway

*Congestion Charging in Edinburgh – a gestation with complications.* Kirsty Lewin and John Saunders, Scottish Executive and tie ltd

*Toll Pricing in Texas: adjusting to a new Paradigm in Transportation.* Oscar Correal (CandM Associates) and Cal y Mayor (Mexico)

16:00-16:30 Coffee-Break

### 16:30-18:30 Session 4 *Commercial traffic and charging systems*

Chairman: Jorge Acha Daza (Instituto Mexicano del Transporte, Mexico)

*The Acceptability of Road Charges for Commercial Transit Traffic.* Heike Link and Louise Stewart-Ladewig, DIW Berlin

*Incentives for the transfer of the road freight transport to the toll road network.* Eric Moreno Quintero, Instituto Mexicano del Transporte, Mexico (in Spanish)

*Tolling systems in Mexico: homologation and interoperability issues.* Alfonso de la Parra, Unidad de Autopistas de Cuota, Mexico (in Spanish)

*Road Pricing in Urban Hazardous Materials Transportation: a practical assessment.* Rodrigo A. Garrido and Andrés Bronfman, Department of Transport Engineering, Pontificia Universidad Católica de Chile

19:30 Dinner at the Fiesta Americana Condesa Hotel

## Programme of Wednesday 13 April 2005

### 08:00-10:00 Session 5 *Road pricing schemes and demand management*

Chairman: Curtis Berthelot (PIARC TC 1.2, Canada)

*HOT Lanes on Interstate 15 in San Diego: Technology, Impacts and Equity Issues.* Janusz Supernak, San Diego State University, USA

*Toll Collection in Austria - Implementation of an electronic system on an existing motorway network.* Friedrich Schwarz-Herda, Ministry of transport, innovation and technology, Austria

*The Effect of Flexible Tolling on Highways.* Sachio Muto, Road Bureau, Japan

*Can people respond to complex pricing signals?* Peter Bonsall, ITS Leeds, UK

10:00-10:30 Coffee-Break

### 10:30-12:30 Session 6 *Economic evaluation of congestion charging*

Chairman: Guillermo Torres Vargas (Instituto Mexicano del Transporte, Mexico)

*Congestion charging in central London.* Peter Crane, Mott MacDonald, UK

*The London Congestion Charge: a Tentative Economic Appraisal.* Rémy Prud'Homme, University of Paris-Créteil, France

*London Congestion charging and urban tolling in Chile: contrasts and lessons on fairness and project finance.* Luis Willumsen, Steer Davies Gleave, UK

*Comparing Urban Road Pricing Implementation and Management Strategies from the UK and Norway.* Petros Ieromonachou, Faculty of Technology, The Open University, Walton Hall, UK

12:30-13:30 Lunch break

### 13:30-16:30 Session 7 *Funding and policy issues*

Chairman: Rémy Prud'homme (University of Paris-Créteil, France)

*Tolling on the Hungarian Motorway Network.* Árpád G Siposs, State Motorway Managing Co. Ltd, Hungary

*Criteria to formulate toll policies in the transportation sector.* Oscar Correal (CandM Associates) and Cal y Mayor (Mexico) (in Spanish)

*European Union policy in road charging.* Alain Fayard, French Department for Transport

*Economic appraisal of pricing policies in the European Union.* Emile Quinet, ENPC-CERAS, France

*Determination of optimal tolls for the Mexican toll road network.* Santiago Rico-Galindo, Unidad de Autopistas de Cuota, Mexico (in Spanish)

16:30-17:00 Closure of the Seminar (FL, SA, President of the Mexican National Committee and Mexican First Delegate)

17:00-18:00 Transportation to *X-caret*, Eco-Archeological Theme

18:30-21:30 Dinner and show at X-caret

21:30-22:30 Return to the Fiesta Americana Condesa

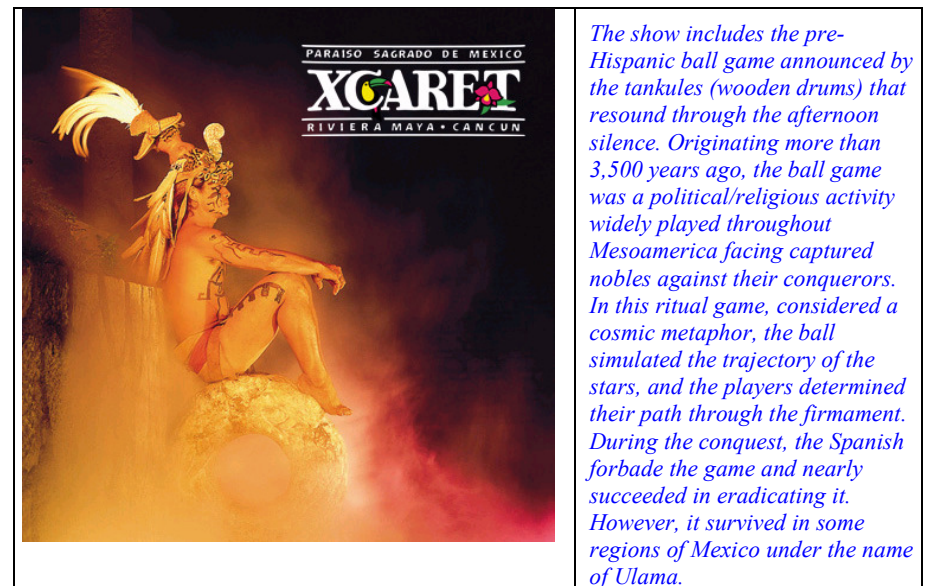
## Conference hotel

The conference will take place in Hotel Fiesta Americana Condesa (<sup>1</sup>)

Access from International Airport. Preferably by taxi (20-25 min ride)

## Activity program

Participation to the Seminar includes free access to Welcome Cocktail on April 11, to Dinner in Conference Hotel on April 12, to lunches and coffee-breaks on April 12 and 13, and to Seminar Dinner and Show in the Eco-Archeological Theme Park X-caret ([www.xcaret.com](http://www.xcaret.com)).



<sup>1</sup> <http://www.cancunsmart.com/hotel-fiesta-americana-condesa-cancun.php#RR>

### Suggested accomodation

In Hotel Fiesta Americana Condesa <sup>(2)</sup>, a special room rate of 100 USD/night (exclusive of taxes) will apply to delegates (under code PIARC-AMIVTAC). Access from / to airport is possible by individual taxis (around 30 USD) or collective taxis (around 7 USD)

Another solution is the Holyday Inn Express <sup>(3)</sup>, with room rate around 70 USD/night + tax, 15 km away from the Fiesta Americana, with 15-20 min bus trip for 0.60 USD.

For other solutions, visit [www.hiexpress.com/cancunmex](http://www.hiexpress.com/cancunmex).

### Fees and registration

Registration fees:

- for delegates from countries with GNP > 3,100 USD per capita: 250 USD in case of pre-registration, 300 USD otherwise.
- for delegates from countries with GNP <= 3,100 USD per capita and for students: 100USD in case of pre-registration, 130USD otherwise.
- for accompanying persons: 100 USD in case of pre-registration, 130 USD otherwise. This fee includes the cocktail, the dinner at the hotel on Tuesday, and the dinner and show in X-care.

The fees will have to be paid to the PIARC Mexican National Committee on Registration in cash (USD, euro or pesos) or with traveller cheques.

Pre-registration is required before March 15 by contacting either of the two following addresses:

<i>(in Spanish or English)</i> <a href="mailto:amivtac@prodigy.net.mx">amivtac@prodigy.net.mx</a> <i>Attn – Miguel Sanchez</i>	<i>(in French or English)</i> <a href="mailto:ALDREX.SETRA@equipement.gouv.fr">ALDREX.SETRA@equipement.gouv.fr</a> <i>Attn – Vanessa Minard</i>
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<sup>2</sup> Address Boulevard Kukulcan km 16.5, Cancun, Q. R., Mexico 77500. Reservations can be made by phone [+ (52) (55) 5326-6900 (Mexico City number) or + (52) (998) 881-4200 (Cancun number)] or by e-mail ([rooming\\_list@posadas.com](mailto:rooming_list@posadas.com))

<sup>3</sup> Address Paseo Pok Ta Pok # 21, Cancun, Q. R., Mexico 77500. Reservation at 70 USD/night fare under code PIARC-AMIVTAC. The fare includes continental breakfast. Reservations by phone + (52) (55) 5723-1703 (Mexico City number) or + (52) (998) 883-2200 (Cancun number)