



Transport Research Arena • Europe 2010

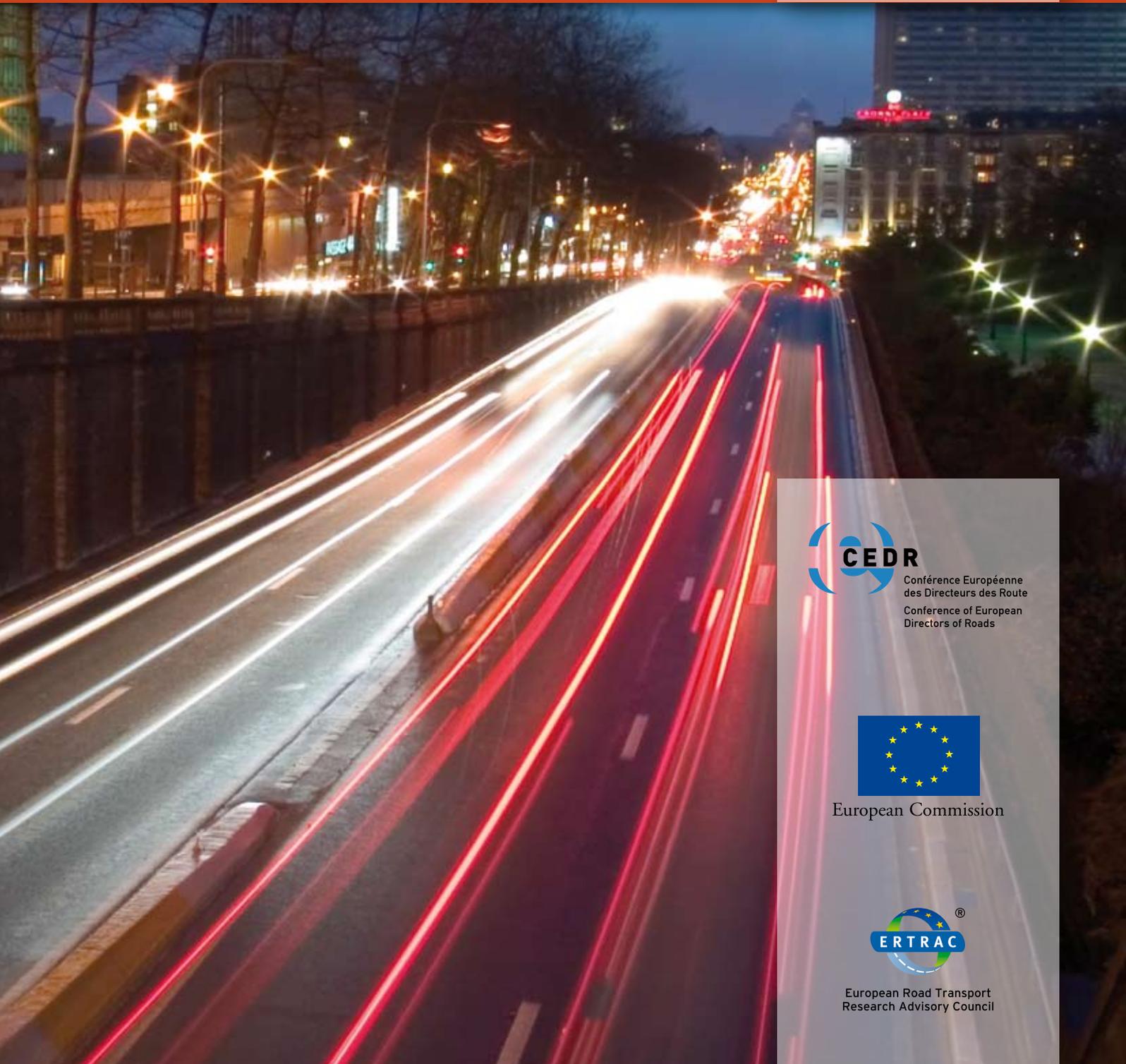
Brussels • Belgium • 07-10/06/2010

Greener, Safer and Smarter Road Transport for Europe

**FIRST**  
ANNOUNCEMENT

CALL FOR  
ABSTRACTS/PAPERS

[www.traconference.eu](http://www.traconference.eu)



Conférence Européenne  
des Directeurs des Routes  
Conference of European  
Directors of Roads



European Commission



European Road Transport  
Research Advisory Council

## Welcome by the EC, CEDR & ERTRAC



It is my pleasure to invite you, on behalf of the European Commission, to the third European Road Transport research Arena, TRA 2010, to be held in Brussels from 7 to 10 June 2010.

TRA 2010 will be a golden opportunity for EU road transport stakeholders and researchers to discuss new strategies for completing the process that began at Gothenburg's TRA 2006: the process of creating a true 'European Road Transport Research Arena'.

In a Europe of many cultures, traditions and languages, one of the challenges lies in get-

ting researchers, business people and policy makers to reach common understanding. As issues such as sustainable mobility, and the competitiveness of our automotive industry rise up the political agenda, it becomes so much more important that the major players have an opportunity to meet, so they can discuss the direction to take in the future. TRA 2010 will provide such a meeting place.

Join us in Brussels in June 2010 to develop an integrated approach to achieving greener, safer and smarter road transport for Europe.



Janez Potočnik  
European Commissioner  
for Science and Research



On behalf of CEDR (Conference of European Directors of Roads) and ERTRAC (European Road Transport Research Advisory Council) it is our great pleasure to invite you to the Third Transport Research Arena, the TRA 2010, which will take place in Brussels, Belgium, from 7<sup>th</sup> to 10<sup>th</sup> June 2010.

To build on the success of the second TRA 2008 held in Ljubljana, CEDR, ERTRAC and the European Commission will again provide the opportunity for all the stakeholders involved in transport research to come together and present their findings, learn what is new and discuss the challenges facing Europe today in the road transport sector.

Several major challenges for transport will have to be overcome to satisfy the mobility needs of the European society, in particular to:

- lower the impact of mobility on the environment, make transport "cleaner" and "greener", reduce energy consumption, improve energy efficiency, and enhance security of energy supply by decreasing dependency on fossil fuels,
- optimise the use of existing infrastructure, make transport more efficient, improve mobility in urban and inter-urban transport, increase infrastructure throughput and reduce congestion,
- improve traffic and transport safety and security
- adjust the design and construction methods to climate change and future trends of heavy vehicles

- to determine and apply the correct price for road transport considering the external costs induced by road traffic.

TRA 2010 will concentrate on these challenges through the six pillars built around the European research and innovation strategies and embracing key issues on urban and inter-modal transport.

The main theme of TRA 2010 is *Sustaining Road Transport Mobility through innovation in Europe*. Indeed, a breakthrough in the technologies and research demands for a sustainable road transport system is fundamental considering that the road transport sector is a major contributor to the economy and society at large.

Since innovation in transport in Europe will require a multi-stakeholder and multi-disciplinary system approach, we invite you to join our Arena to share the present and what is to come in the world of transport in Europe. The local organisers, The Flemish Roads and Traffic Agency and the Public Services of Wallonia in conjunction with the Belgian Road Association, will offer you a comprehensive forum to exchange information on road transport research and innovation.

We sincerely hope that you will benefit from, share and discuss the forthcoming results and innovations in transport research in Europe at TRA 2010 and we very much look forward to seeing you in Brussels in June 2010.



Talis Straume  
Chairman of CEDR



Wolfgang Steiger  
Chairman of ERTRAC

## Welcome by Chris Caestecker



On behalf of the Flemish Roads and Traffic Agency (AWV) and the Directorate-General Roads and Buildings of the Walloon Public Services, it is my pleasure to invite you to the 3rd Transport Research Arena (TRA 2010) conference held in Brussels, Belgium from 7 to 10 June 2010.

Transport plays an important role in European economy and society. Many different industries and services, ranging from manufacturers and suppliers to employees and workers, utility companies and local authorities, are involved in this sector in one way or another.

The TRA provides a platform for transport research in Europe. It is most attractive for the research industry and to those who have to implement the results of research into transport: namely road administrations at national, regional and local levels, contractors, as well as vehicle manufacturers and fuel producers.

Following the past two years, the TRA will deal with climate change and road safety, embraced in the slogan "Greener, safer and smarter transport for Europe". For TRA 2010 the main theme will be Sustaining Road Transport Mobility through innovation in Europe. Under this heading a large number of guest speakers will elaborate on the needs of the transport sector now and will take a glance at this sector's future. TRA 2010 will be a meeting place for anyone who is professionally engaged in transport.

The conference programme will be organised into six pillars built around the European research and innovation strategies while emphasising on climate change, CO<sub>2</sub>, fuel efficiency and supply:

- I. European Road Research Needs and Agendas.
- II. Transport, Mobility and Infrastructure.
- III. Safety and Security.
- IV. Energy, Environment and Resources.
- V. Design and Production (Vehicles and Infrastructure)
- VI. Societal Importance of Road Transport.

Belgium, the host country for TRA 2010, lies at the heart of Europe. Thanks to this special geographical position, Brussels is an attractive city where more than thousand international public and private organisations have established their headquarters or permanent secretariat. Moreover, Belgium is known for its tradition of openness, and contributed to the birth of European integration.

Belgium's central location also makes it unique in terms of logistics. It is centrally situated on the economic and urban backbone and in Europe's most important coastal area. Thanks to the dense motorway network in Western Europe, Belgium is at the crossroads of the major routes from north to south, from west to east and from north west to south east. Brussels Airport also plays an increasingly important role in international passenger transport. In short, Belgium constitutes a major platform in European transport.

TRA 2010 will also feature a social programme and a number of technical excursions showcasing some of the major road transport facilities and projects and cultural highlights of Belgium.

CU in 2010!



Chris Caestecker  
Chairman Management Committee

## Objectives, Topics & Call for Papers



### CONFERENCE OBJECTIVES

TRA 2010 is an event for the alignment of the stakeholders of transport research and development. It follows previous successful editions of the conference in 2006 in Gothenburg, followed by TRA 2008 in Ljubljana. The TRA contributes to innovation for sustainable mobility in Europe, leading to a greener, safer and smarter transport system, which will be more sustainable, competitive and efficient. By enhancing the networking and clustering of Europe's research and development capacity – based on a shared Strategic Research Agenda (SRA) and Research Framework – the TRA helps to align European, national, regional and private research and development actions on transport. The **European Commission (EC)** sees an opportunity for all parties involved to meet and to present, exchange and disseminate the results obtained in research and development. As such, the European Commission welcomes this TRA and strongly supports it. **ERTRAC** is a body of crucial importance when creating and implementing a shared European Research Framework on Road Transport.

The **CEDR members**, being both regulating authorities and public clients and with the tools and the capacities they possess, are the important driving forces to implement the European Research Area.

### SCOPE: All aspects of road transport research and innovation will be covered

This is essential, as the TRA will demonstrate and highlight problems and challenges facing road transport in the future, which does require a multi-stakeholder and multi-disciplinary system approach. This approach is envisaged in different strategic documents. In addition, TRA 2010 will deepen contacts with other modes of transport including their interfaces, which will become a constituent part of future TRA events, with special attention for urban mobility.

### CALL FOR PAPERS

TRA 2010 is a chance for you to present your vision of cleaner, safer and smarter road transport for Europe. We invite you to

submit abstracts to papers related to the themes of the conference (listed below) by 31<sup>st</sup> of March 2009.

The abstracts, consisting of 300 words or less, will be evaluated by the members of the Programme Committee. The authors of the best quality abstracts will be invited to submit the full paper which, after evaluation by the members of the Programme Committee, will be included in the CD of conference proceedings. The authors of a selected number of papers will be invited as speakers at TRA 2010. The top papers will be submitted for publication in an online journal.

The TRA 2010 programme will be organised into **six pillars** built around the European research and innovation strategies while emphasising on climate change, CO<sub>2</sub>, fuel efficiency and supply.

Abstracts can be submitted in electronic form by registered users only through the web site [www.traconference.eu](http://www.traconference.eu), which provides detailed instructions about the submission procedure.

### European Road Research Needs and Agendas, including:

- Public-private joint research needs and agendas
- Specific regional research needs
- New concepts to fund research and innovation

### Transport, Mobility and Infrastructure, including:

- New mobility concepts
- Intermodality
- Demand management
- Effective utilisation of existing urban and inter-urban road network
- Road network robustness
- Logistics and freight transport
- Intelligent transport systems
- Cooperative systems
- Integrated mobility management

### Safety and Security, including:

- Accident prevention and analysis
- Vulnerable road users
- Human factors
- Safety impact of road maintenance
- Passive and active safety systems
- Vulnerability of transport systems

### Energy, Environment and Resources, including:

- Mitigation of the environmental impact of transport networks
- Air pollution
- Noise reduction
- Sustainable land use
- Future energy resources for road transport
- Greenhouse gas reduction

### Design and Production (Vehicles and Infrastructure), including:

- User driven design and production
- Time to market reduction
- Incentives for innovation in procurement and contracting
- New materials
- Pavement and infrastructure management
- Asset management
- New concepts of maintenance and monitoring
- Adaptation to climate change
- Life cycle analysis

### Societal Importance of Road Transport, including:

- Towards a sustainable society
- Societal trends and behaviour
- Scenarios for the future
- Elderly and disabled people
- Implementation and deployment
- Socio-economic impact assessment

### YEAR 2010

The Young European Arena of Research is a competition for early-stage researchers who are doing research in the area of road transport. The competition gives the researchers an opportunity to showcase their work to experts within the field, both on the internet and, for the finalists, at the Transport Research Arena conference in Brussels in June 2010. Detailed information will be presented on the website.

### TIME SCHEDULE

Abstracts submission  
31<sup>st</sup> of March 2009

Approval of abstracts  
15<sup>th</sup> of June 2009

Full Paper submission  
1<sup>st</sup> of October 2009

Approval of full papers and acceptance for oral presentation  
15<sup>th</sup> of January 2010

The main theme of TRA 2010:  
Sustaining Road Transport Mobility through innovation in Europe



## TRA 2010 MANAGEMENT COMMITTEE

Mr. **Chris Caestecker**, Chairman  
 Mr. **Michel Egger**, Secretary  
 Mr. **Michele Minenna**  
 Mr. **Talis Straume**  
 Mr. **Andraz Legat**  
 Mr. **André Vits**  
 Mr. **Ben Van Houtte**  
 Mr. **Arnoldas Miukas**  
 Dr. **Govert Sweere**  
 Prof. **Wolfgang Steiger**  
 Mr. **Steve Phillips**  
 Mr. **Ken Rose**

- » Director General, Roads and Traffic Agency (Flanders, Belgium)
- » Secretary General of CEDR
- » Chairman of CEDR (2009)
- » Chairman of CEDR (2010)
- » Deputy Chairman TRA 2008
- » European Commission (DG INFSO)
- » European Commission (DG TREN)
- » European Commission (DG RTD)
- » Chairman of FEHRL Executive Committee
- » Chairman of ERTRAC
- » Director ERTRAC Secretariat
- » Technical coordinator CONCAWE, co-leader ERTRAC Environment and Energy working group
- » Director of Polis network, co-leader ERTRAC Urban Mobility working group
- » Chairman of the TRA 2010 Programme committee



Mr. Chris Caestecker

Mr. **Sylvain Haon**

Prof. dr. **Claude Van Rooten**



## TRA 2010 PROGRAMME COMMITTEE

Prof. dr. **Claude Van Rooten**, Chairman  
 Prof. dr. **Anne Beeldens**, Deputy Chairlady  
 Mr. **Aleš Žnidarič**, Former Chairman  
 Dr. **Adewole Adesiyun**  
 Dr. **Josef Affenzeller**  
 Mr. **Gert Ahé**

- » BRRC (Belgium), FEHRL, CEDR TG Research
- » BRRC (Belgium)
- » FEHRL, ZAG Ljubljana (Slovenia)
- » FEHRL
- » ERTRAC, EARPA, AVL List GMBH (Austria)
- » FEHRL, CEDR TG Research, Danish Road Directorate (Denmark)
- » European Commission, Transport Research
- » ERTRAC, EUCAR, CRF (Italy)
- » European Commission, ICT for Transport
- » FEHRL, EPFL (Switzerland)
- » ERTRAC, ERTICO - ITS Europe
- » CLEPA, AGORIA Automotive (Belgium)
- » CEDR, Ministry of Transport (Spain)
- » ERTRAC, CEDR, Vägverket (Sweden)
- » ERTRAC, LCPC (France)
- » LSM, FUCaM, GIBET/BIVIC (Belgium)
- » CEDR TG Research, ERTRAC, TUWien (Austria)
- » ERTRAC, University of Southampton (UK)
- » European Commission, Transport Research
- » ERRAC, Banverket (Sweden)
- » ECTP, Autostrade (Italy)
- » ECTRI, TRL (UK)
- » ERTRAC, IBDIM (Poland)
- » Independent expert (Belgium)
- » ERTRAC, UITP
- » ERTRAC, EUCAR, Volvo (Sweden)



Prof. dr. Claude Van Rooten

Ms. **Nora Allavoine**  
 Mr. **Gianfranco Burzio**  
 Ms. **Myriam Coulon-Cantuer**  
 Prof. **André Gilles Dumont**  
 Dr. **Maxime Flament**  
 Mr. **Björn Hedlund**  
 Mr. **Casimiro Iglesias**  
 Dr. **Hans Ingvarsson**  
 Mr. **Bernard Jacob**  
 Prof. **Bart Jourquin**  
 Prof. dr. **Johann Litzka**  
 Prof. **Mike McDonald**  
 Mr. **Patrick Mercier-Handisyde**  
 Mr. **Bo Olsson**  
 Dr. **Livia Pardi**  
 Mr. **Neil Paulley**  
 Dr. **Andrzej Urbanik**  
 Dr. **André Vits**  
 Mr. **Ulrich Weber**  
 Mr. **Goran Wirmark**



## BRUSSELS WELCOMES TRA 2010

It is its European diversity that gives Brussels its unique character. From the historical centre or fashion district to the business quarter or European institution area, Brussels offers you a renowned art of living. You can reach Brussels very easily by air, road and rail. Once arrived, you will enjoy an internationally acclaimed cuisine and taste unique Belgian chocolate, beer and other local food specialities like North Sea shrimps. Explore the splendour of a 1000-year old city, its world heritage Grande Place, museums and art nouveau. Enjoy local festivals, street markets, an exciting night life and entertainment and easy shopping.

## CONFERENCE DATES & VENUE

The conference is held from Monday, June 7<sup>th</sup> till Thursday, June 10<sup>th</sup> 2010 at the newly opened 'SQUARE, Brussels Meeting Centre' right in the heart of the city in the vibrant Mont des Arts district, between the Royal Palace and the world famous Grand'Place. Originally constructed for the 1958 World Expo, Square has been remodelled for the 21<sup>st</sup> century. However, important art works by the Belgian masters Magritte, Delvaux and Van Lint have been painstakingly restored. The facilities, with three large auditoria and a 4.000m<sup>2</sup> expo hall, are simply world class and ready to host TRA 2010.

## THE CONFERENCE

Sessions will be both plenary and parallel following the different themes of the conference. A number of formal and informal meetings will be organized by the different supporting organizations. A large exhibition will show the latest developments related to the different conference themes. Furthermore, participants and accompanying persons will be invited to attend several social events, including attractive technical tours and sightseeing programmes. Social events will include a welcome reception and formal exhibition opening, a themed evening and a gala dinner.

## THE EXHIBITION

Potential sponsors and exhibitors are invited to join TRA 2010 and to contribute to its success. Different opportunities and options will be available and will be published in the near

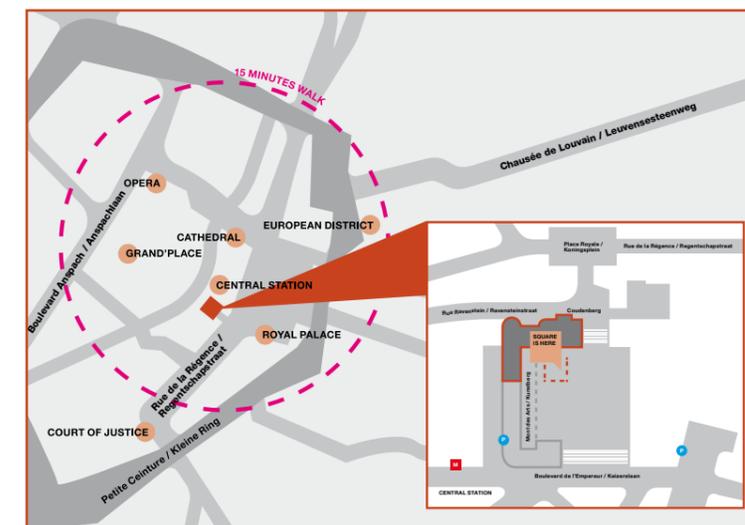
future. Moreover exhibitors and sponsors will have the chance to organise their own satellite symposiums, workshops, social and/or technical events.

## WHERE TO STAY

Brussels has a total capacity of over 14.000 hotel rooms in different categories. 70 hotels are situated nearby 'Square Brussels'. The conference organisers will arrange an accommodation reservation service.

## WHEN TO EXPECT FURTHER NEWS

For updated news, we recommend you to consult on a regular basis the conference website: [www.traconference.eu](http://www.traconference.eu). It is expected that the final invitation brochure and registration form will be published by November 2009.





Transport Research Arena • Europe 2010



## Contacts

For scientific information please contact:

BRRC  
Boulevard de la Woluwe 42  
B-1200 Brussels  
e-mail: [programme@traconference.eu](mailto:programme@traconference.eu)

For general information please contact:

Roads and Traffic Agency  
Graaf de Ferrarisgebouw  
Koning Albert II Laan 20 bus 4  
B-1000 Brussels  
e-mail: [info@traconference.eu](mailto:info@traconference.eu)



agentschap  
Wegen en Verkeer



Service public de Wallonie



ABR-BWV



with scientific support of the BRRC