

# IRU Academy initiatives to improve Road Safety

- Focus on the human element -

Geneva, 21<sup>st</sup> of April 2011

*Patrick Philipp*  
*Head – IRU Academy*

**Created  
1948**

**National Associations  
from 8 founding countries**

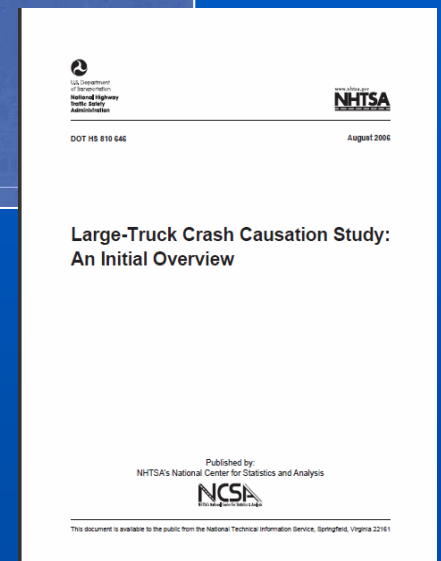
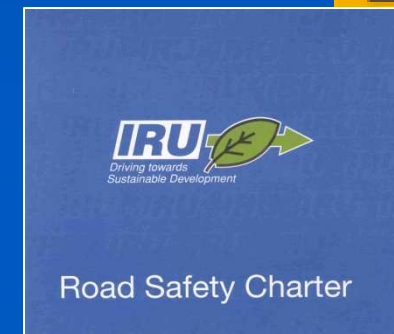


**2010  
180 Members  
74 Countries**

The IRU supports all measures that improve road safety

if

they effectively target the main causes of accidents involving trucks.



## ETAC – A Scientific Study

- Expert teams *investigated on site* more than **600 accidents** involving trucks over 2 years.
- Investigations were based on a *scientific, widely accepted and internationally benchmarked methodology.*

**ETAC – First of its kind!**

- describe the accident causation sequence
- reconstruct the pre-collision phases
- identify critical situations
- analyse malfunctions
- categorise accident types

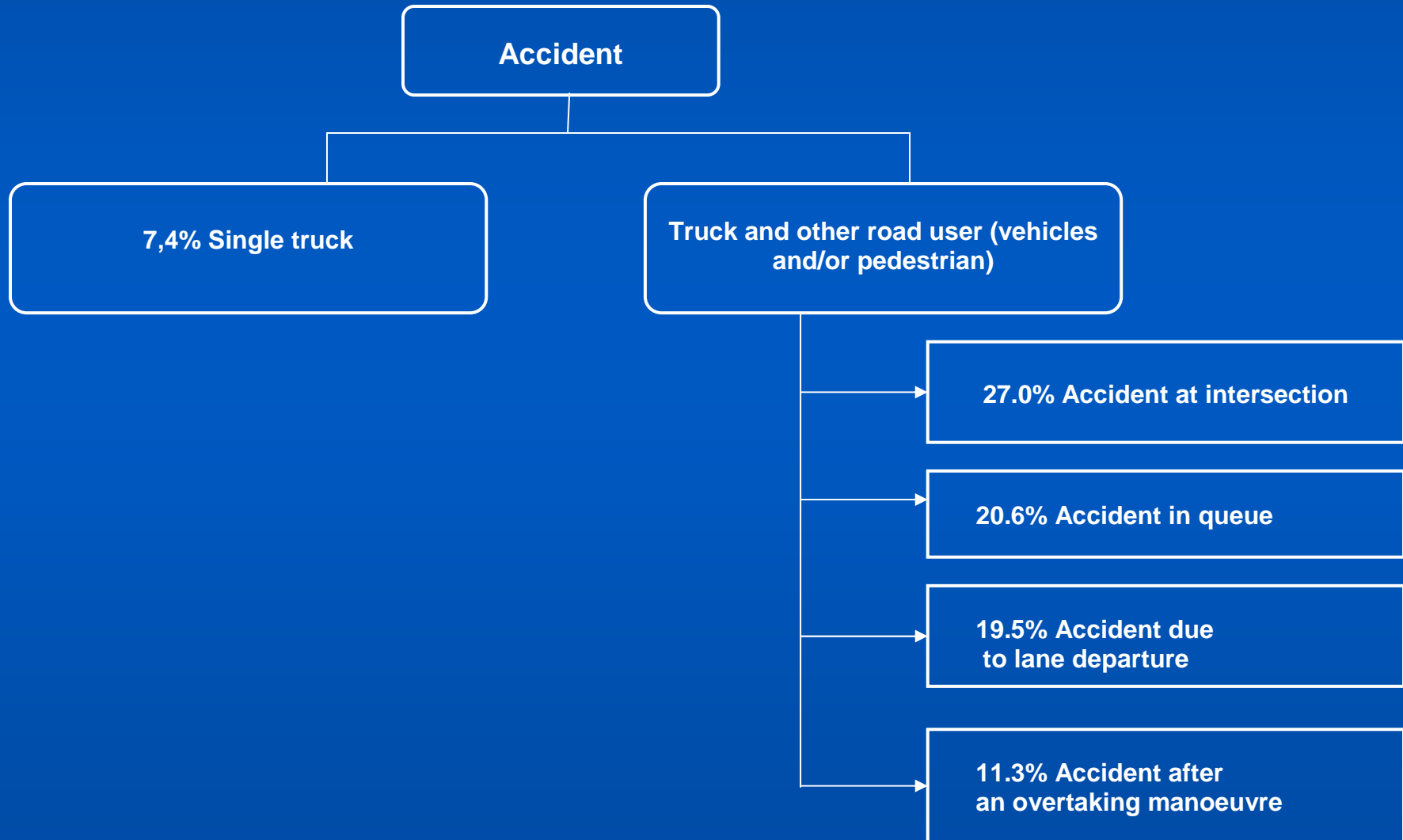
The screenshot displays the ETAC TRUCK software interface. The title bar reads "ETAC TRUCK form". The main window is titled "TRUCK" and contains several tabs: "Accident", "Vehicle #", "ENGINE", "LIGHTS", "LOAD", "TACHOGRAPH", "ITS SAFETY SYSTEMS", and "COMMUNITS". Below the tabs, there are several sections for data entry:

- IDENTIFICATION**: Includes fields for "Accident" (2000) and "Vehicle #".
- SEVERITY OF THE ACCIDENT FOR THIS VEHICLE**: Includes checkboxes for "Fatalities" (0), "Injured Occupants" (0), and "Uninjured Occupants" (0).
- GENERAL TECHNICAL INFORMATION**: Includes fields for "Manufacturer" (Daimler), "Model type" (DGS28.28), "Vehicle identification number" (V57A791402M), "Surround vehicle identification number", "Date of 1st registration" (2 / 2000), "Body type (straight truck)" (2), "Frontal vehicle" (2), "Predominant color" (1), "Driver's seat side" (1), and "Number of trailers or semi-trailers coupled to vehicle" (0).

At the bottom of the form, it says "Vehicle information: the truck".

**Identify the main causes  
of accidents involving trucks**

# Accident Categories



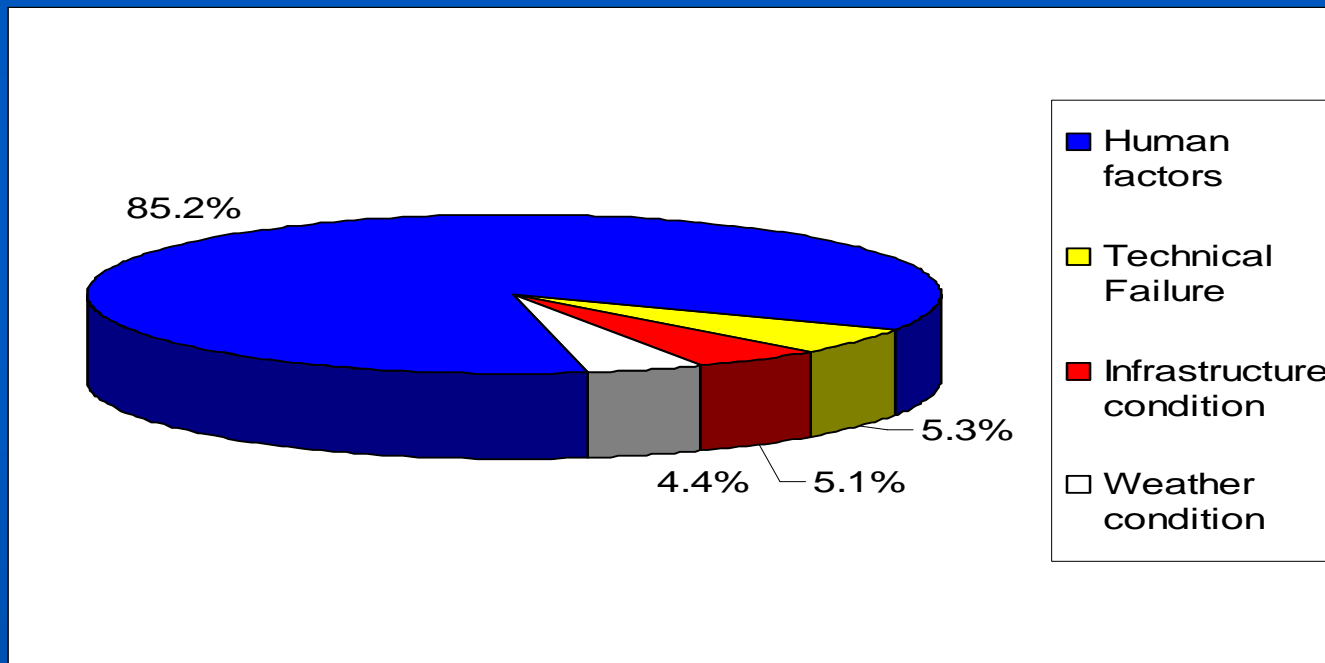
## Main Cause of an Accident: More Details

The top main causes for accidents between a truck and other road users are, according to the mentioned accident configurations:

- 1- Non-adapted speed**
- 2- Failure to observe intersection rules**
- 3- Improper manoeuvre when changing lanes**

# Main Cause: The Human Factor

624 accidents showed the main cause of the accident is human error.



***However, from the 85.2% linked to human error, 75% were caused by other road users!***



The image features a blue-toned background with a faint globe and silhouettes of seven business professionals. In the center, the IRU Academy logo is displayed. The logo consists of the letters 'IRU' in a bold, blue, sans-serif font, enclosed within a white rectangular border. Below this, the word 'Academy' is written in a white, italicized, serif font.

**IRU**

*Academy*

Addressing the human  
element in road safety

**Worldwide Excellence in Road Transport Training**

# What do we do?

- Harmonisation of high quality training programmes
- On-line access to expert designed training material and reference resources
- Continuous quality control of vocational training
- Ensure recognition of graduate vocational training achievement by the profession - worldwide
- Provide an anti-falsification system of any diploma/certificate issued
- Facilitate exchange of best practices through events and seminars focused on road transport professional training



**Road Transport Professional Training Capacity Building**

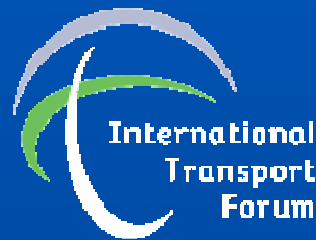
# International Network of IRU Academy Accredited Training Institutes (ATIs)



# ATI – Geographical Scope



# International Recognition IRU Academy Advisory Committee

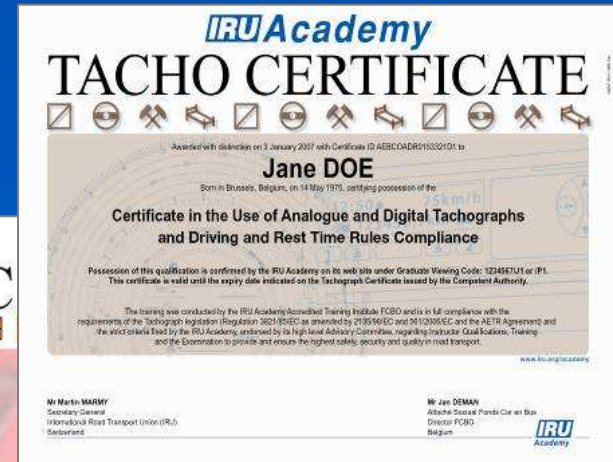
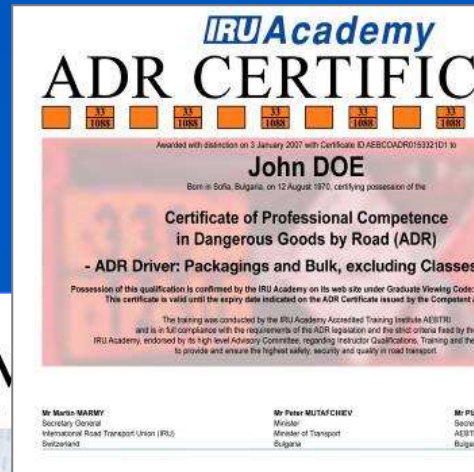


**UNECE**  
United Nations  
Economic  
Commission for  
Europe





## Competence



## Compliance



## Recognition

## Safety

### Safe Loading & Cargo Securing



#### SAFE LOADING AND CARGO SECURING CHECKLIST

Stay safe and compliant!

Correct loading and securing of goods on road freight vehicles is essential to ensuring safe road transport. It is therefore important that the securing of cargo on a vehicle is carried out according to adequate standards, and without violating national requirements. In order to improve road safety, the IRU has developed this checklist of harmonised tips for safe loading and cargo securing.

**BEFORE LOADING CARGO ON A VEHICLE**

**Determine the right vehicle for the transport:**

**Make sure that the load platform and the vehicle's bodywork are clean:**

**Determine the optimal loading equipment and method(s):**

**Determine the best method(s) to secure the distinct cargo (blocking, direct lashing, top-over lashing, or combination of method(s)):**

**Determine the number and type of lashings and/or chains to best secure the cargo:**

**Determine the number of anti-slip mats and other securing materials (padding, edge protectors, etc) to best secure the cargo:**

**WHILE LOADING AND SECURING THE CARGO**

**Load cargo with respect to the allowed vehicle weight:**

**Load cargo with respect to the allowed vehicle axle-load distribution:**

**IRU International Road Transport Union**

## In Focus

### ECO-DRIVING SAFELY

FOR TRUCKS  
Think economically and environmentally!

Most efficient way to reduce fuel consumption, but is also an attitude and respect for adjust their driving behaviour according to wet this checklist with smart, smooth and

#### VEHICLE CHECKLIST

For professional truck drivers

Readily available for all drivers to avoid preventable IRU have put together this checklist to assist their vehicles."

**Key Equipment**

4 appropriate emergency equipment

**4 Steps to Emergency Response**

- 1. Assess the situation:**
  - Quickly assess the nature of the accident and the conditions and avoid the need for rescue. If the vehicle is already involved in the accident, do not leave the scene.
- 2. Protect and secure the area:**
  - The area will be used until the emergency services arrive. You will need to ensure that the area is safe for all vehicles.
- 3. Alert competent authorities:**
  - Call emergency services, and inform them of your situation. Provide the location of the accident and the nature of the accident. Do not move the vehicle unless it is necessary for safety reasons.
- 4. Provide assistance:**
  - Provide first aid and assist the injured. Do not move the injured unless they are in immediate danger. Wait for the emergency services to arrive.

**Emergency Position**

If the vehicle is immobilised and the driver is not injured, the vehicle should be moved to the emergency position. The emergency position is the most visible and safest position for the vehicle. The driver should be in the emergency position until the emergency services arrive.

**ECO-DRIVING SAFELY**

**FOR TRUCKS**

Think economically and environmentally!

Most efficient way to reduce fuel consumption, but is also an attitude and respect for adjust their driving behaviour according to wet this checklist with smart, smooth and

**Check your tyres**

Check your tyres regularly to ensure they are in good condition. This will help you reduce the energy consumption of your truck. Under-inflated tyres increase rolling resistance and fuel consumption. They also wear more rapidly. Check the vehicle's owner manual or the tyre pressure plate for correct tyre pressure. On a voluntary basis, the Pressure Monitoring System (PMS) can help you to monitor the tyre pressure. It is not a substitute for a visual check of the tyre pressure. Check the tyre pressure at all times and before you get on the road. The correct tyre pressure should be checked and kept as recommended by the manufacturer.

**Key Equipment**

4 appropriate emergency equipment

**4 Steps to Emergency Response**

- 1. Assess the situation:**
  - Quickly assess the nature of the accident and the conditions and avoid the need for rescue. If the vehicle is already involved in the accident, do not leave the scene.
- 2. Protect and secure the area:**
  - The area will be used until the emergency services arrive. You will need to ensure that the area is safe for all vehicles.
- 3. Alert competent authorities:**
  - Call emergency services, and inform them of your situation. Provide the location of the accident and the nature of the accident. Do not move the vehicle unless it is necessary for safety reasons.
- 4. Provide assistance:**
  - Provide first aid and assist the injured. Do not move the injured unless they are in immediate danger. Wait for the emergency services to arrive.

**Emergency Position**

If the vehicle is immobilised and the driver is not injured, the vehicle should be moved to the emergency position. The emergency position is the most visible and safest position for the vehicle. The driver should be in the emergency position until the emergency services arrive.

## Safety Checklists

Page 16

(c) International Road Transport Union (IRU) 2011



# Instructor Briefings



Best Practices

Interactivity



Competence



Resources

Visuals



Capacity Building

# Instructor Briefings



Accident Prevention



Cargo Securing



Safety in Tunnels

Simulations...

... and much more



The screenshot shows the IRU Academy website interface. The browser address bar displays 'http://academytraining.iru.org/'. The user is logged in as 'Patrick Philipp'. The main content area is titled 'My Courses' and shows a course titled 'Tachograph Programme for non ATIs'. The course description includes: 'Movie: Tachograph', 'Presentation: Tachograph Programme and Training', and 'Document: Tachograph Instructor Briefing Course Outline'. Under 'Legal Instruments - EU', a list of documents is provided: 'EU Regulation 561-2006', 'EU Regulation 3821-85', 'EU Directive 1360-2002', 'EU Regulation 2002-15', 'EU Regulation 2003-59', 'EU Regulation 2135-98', 'EU Regulation 2007-230', and 'EU Guidance Note'. An inset window shows a document titled 'Implementing the measures and means' with a sub-heading 'Learning to use the digital tachograph through a simulator'. The document content includes a diagram of a tachograph and the text 'Driving and rest time & Digital Tachograph'.

Resource Center

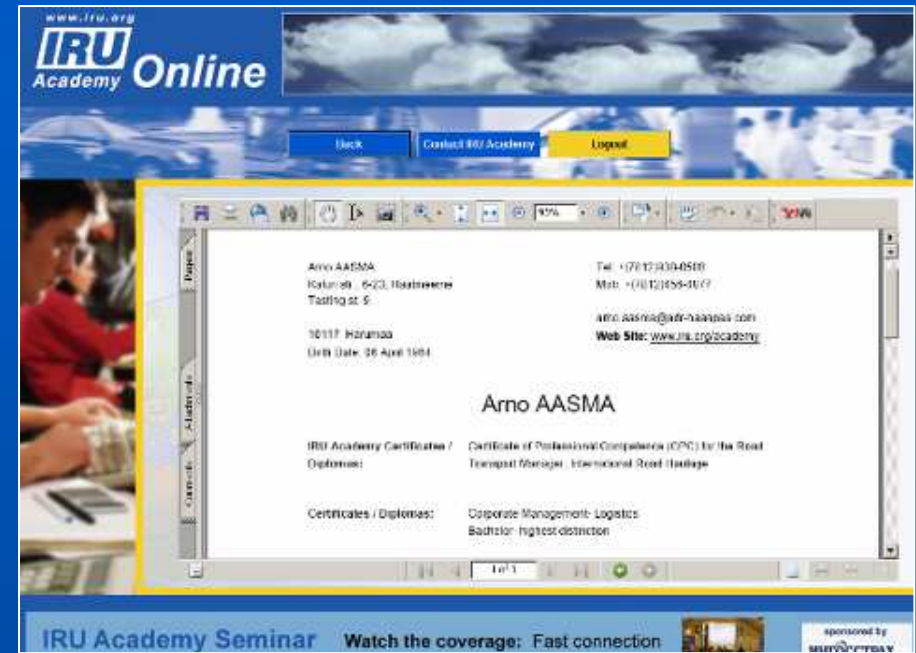
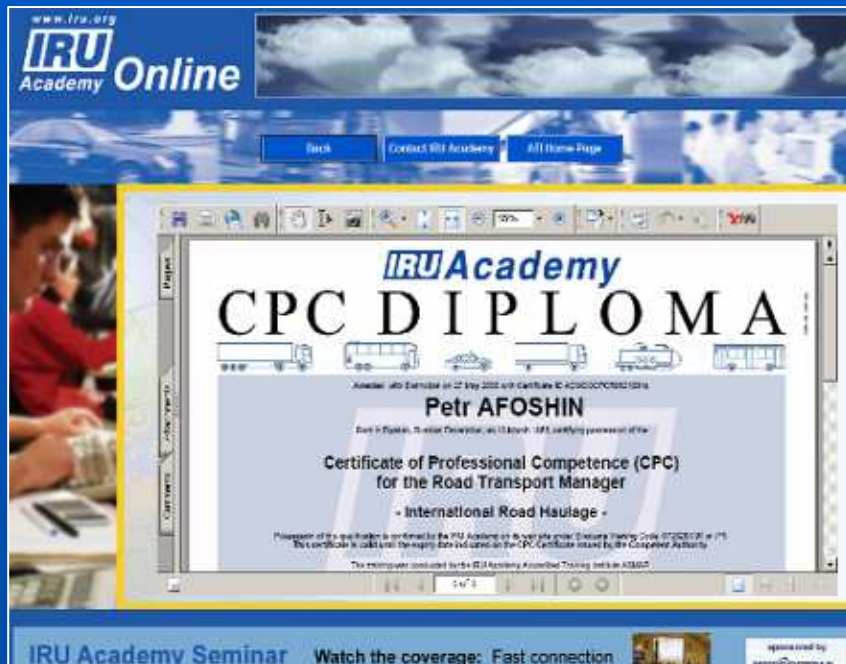
Accredited Training Institutes can access up-to-date learning material, reference information and multimedia resources through a single web access



**Promotion**

Private and secure web sites for

- IRU Academy ATI promotion
- IRU Academy graduate promotion
- Real-time credential verification



# **IRU** IRU Academy Events - Networking Academy

**3<sup>rd</sup> International Meeting  
of IRU Academy Accredited  
Training Institutes (ATIs)**

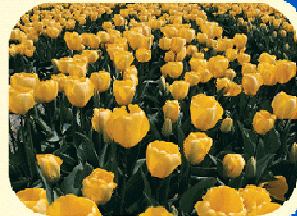
(available to IRU Academy ATIs only)

29-30 January 2009  
Geneva, Switzerland



**5<sup>th</sup> International  
IRU Academy Seminar  
on Driver Shortage**

25-28 September 2007  
Amsterdam, The Netherlands



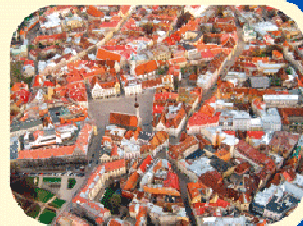
**4<sup>th</sup> International  
IRU Academy Seminar**

27-29 September 2006  
Saint-Petersburg, Russian Federation



**2<sup>nd</sup> International  
IRU Academy Seminar  
on the Digital Tachograph**

18 May 2005  
Tallinn, Estonia



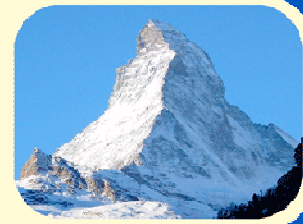
**AULT  
(Arab Union of Land Transport)  
- IRU Academy Seminar**

on Increased Professional  
Competencies through proper Training  
30 October 2007, Istanbul, Turkey



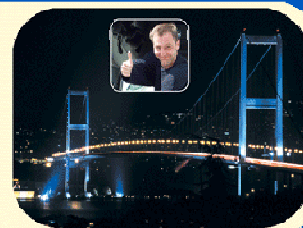
**UICR  
(International Union  
of Professional Drivers)  
- IRU Academy Seminar**

27 July 2007  
Martigny, Switzerland



**3<sup>rd</sup> International  
IRU Academy Seminar**

Are you ready to Conduct  
Professional Driver Training?  
29-30 September 2005  
Istanbul, Turkey



**1<sup>st</sup> International  
IRU Academy Seminar  
The Road to Enhanced Security**

29 September 2004  
Hanover, Germany





About IRU Academy

▶ IRU Academy Structure

News and Events

▶ IRU Academy Network

▶ IRU Academy Programmes

Instructor Briefings

▶ Training Initiatives

▶ Accreditation

▶ Services for ATIs

▶ Services for Graduates

FAQ

Contact Us

## News and Events

The IRU Academy is involved in a vast array of activities in the domain of professional road transport training.

Related Content

In the Spotlight:

**Official launch of the UN Decade of Action on Road Safety**



Road Safety and Professional Training Seminar, 11-12 May 2011 Istanbul, Turkey

- [View the Programme](#)
- [Register for the Event](#)
- [View a list of Hotels](#)





[Login](#) [ENGLISH](#) [FRANÇAIS](#)


 Show me  Search IRU.org

[About the IRU](#) [Policies](#) [Services](#) [News and Events](#) [Press](#) [Resources](#) [TIR System](#) [IRU Academy](#) [Members](#)

[Homepage](#) / [IRU Academy](#) / [About IRU Academy](#)



- [About IRU Academy](#)
- ▶ [IRU Academy Structure](#)
- ▶ [News and Events](#)
- ▶ [IRU Academy Network](#)
- ▶ [IRU Academy Programmes](#)
- ▶ [Instructor Briefings](#)
- ▶ [Training Initiatives](#)
- ▶ [Accreditation](#)
- ▶ [Services](#)
- ▶ [Contact Us](#)

### About IRU Academy

The IRU Academy is a professional road transport training organisation with a global reach. The IRU Academy creates a framework for capacity-building to enhance the efficiency, professionalism, effectiveness and accountability of the road transport training industry.

#### Worldwide Excellence in Professional Road Transport Training

The IRU Academy is the leading authority in road transport training. By developing top-quality training programmes and ensuring control of training delivery, the IRU Academy is active in ensuring the development of professional competence in the road transport sector. With its unique structure, the IRU Academy is poised at the heart of the road transport industry to provide training programmes which ensure we meet the industry's priorities of sustainable development, facilitation, safety, and security.

The IRU Academy offers its portfolio of training programmes to road transport professionals through its global network of Accredited Training Institutes (ATIs). The IRU Academy uses a multi-lingual content management system to ensure its programme materials are available to its members and instructors instantly.

The IRU Academy is also involved in a number of training initiatives, from Road Safety to HIV/AIDS to ECO-Driving which tackle important issues in the sector and propose solutions.

Only through professional training can the road transport sector continue to adapt and evolve. Find out how you can become an IRU Academy Accredited Training Institute and begin the process today!

[Watch a short video on the IRU Academy!](#)



www.iru.org/academy

Thank you!

