

# Safety In Urban Transport Tunnels

Riyadh, Sunday 3rd – Monday 4th February 2013



## Welcome and Opening

08.15 – 08.30: H.E. Eng. Abdullah Al Mogbel, Mayor of Riyadh and ITACET Foundation President, Andre Assis Professor at Brasilia University and Chairman of the Foundation Executive Board.

## Day 1 - Session 1: General Overview

08.30 – 09.15: Introduction on Tunnelling in Urban Areas: Why Go underground  
09.25 – 10.00: Introduction to safety management and status of regulations  
10.00 – 10.30: *Coffee Break*

## Day 1 - Session 2: Safety in Design

10.30 – 11.15: Safety as Design and Decision-making parameter  
10.40 – 11.20: Recent development in Road Tunnels Safety: Traffic management and control, New types of vehicles, Firefighting.  
12.00 – 12.30: *Prayer*  
12.30 – 13.15: Recent development in Metro Tunnels Safety: Rolling Stocks, Light Rail, Traffic Control, Interoperability  
13.15 – 14.00: Questions and Answers  
14.00 *Lunch*

## Day 2 - Session 3: Safety during Operation and Maintenance

08.00 – 08.45: General aspects  
08.45 – 09.30: Special aspects for Road Tunnels  
09.30 – 10.00: *Coffee Break*  
10.00 – 11.30: Round Table on Road Tunnels  
11.30 – 12.00: *Prayer*  
12.00 – 12.45: Special aspects for Metro Tunnels  
12.45 – 14.15: Round table on Metro Tunnels

## Closing remarks

14.15 – 14.30: H.E. Eng. Abdullah Al Mogbel, Mayor of Riyadh and ITACET Foundation President, Andre Assis Professor at Brasilia University and Chairman of the Foundation Executive Board.  
14.30 *Lunch*



**Register to** : Mr. Salem Al Swailem, Director General Design and Study, swa\_rm@hotmail.com

**Cost** : Registration Fee is 1000 € / person



**Payment to** : ITACET Foundation 1010 Lausanne - Switzerland

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# Safety In Urban Transport Tunnels

Sunday 3rd – Monday 4th February 2013

Two-Day Seminar for Continuous Professional Education  
Riyadh, Kingdom of Saudi Arabia - Diplomatic Quarter

Welcome to Saudi Arabia, welcome to Riyadh



I am very pleased, as Mayor of Greater Riyadh and President of ITACET Foundation for Education and Training, to announce the organization of a Two-day Seminar on “**Safety in Urban Transport Tunnels**”.

This event will take place on Sunday 3 and Monday 4 February 2013, in the Diplomatic Quarter in Riyadh.

The construction of Railways, Metro and Road Tunnels in the Greater Riyadh, in the Kingdom of Saudi Arabia and in the Gulf countries, makes it necessary for all professionals to be well informed and up to date in all safety aspects of the Design, Operation and Maintenance of such infrastructures in order to take up the challenges for the development of the Greater Riyadh and to be well prepared for any risks occurring during the operation.

Owners, designers and operators, as well as concerned professionals in the Greater Riyadh, as well as in the Kingdom of Saudi Arabia and the Gulf countries, are invited to participate in this event and to share the knowledge on the latest developments in this field with internationally known experts, to whom I extend a hearty welcome to Saudi Arabia and to Riyadh.

Eng. Abdullah Al-Mogbel  
Mayor of Riyadh  
President of the ITACET Foundation

## Objective and development of the seminar

The main objective of the seminar is to provide an introduction to the safety in Urban Transport Tunnels Systems with an emphasis on Metro and Road Tunnels systems.

The seminar will provide a general overview to be followed by more in-depth sessions and case histories on Safety Management in Urban Transport Tunnels during Design, Operation and Maintenance.

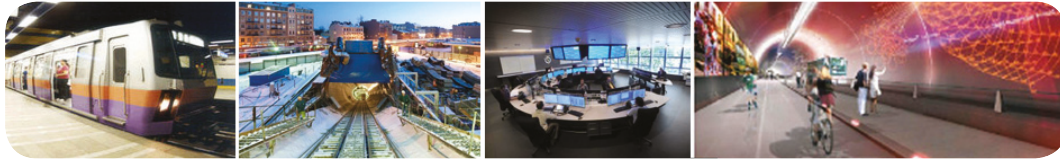


Photo Credits: L. to R.: Metro Cairo - wikipedia, St. Petersburg Metro - Herrenknecht AG & Tunneltalk, RATP control & security center - RATP, Tunnel Croix Rousse - ITA-AITES Tribune #34

## Who should attend ?

The targeted participants are Clients, Designers, Consultants, Operators and any interested engineer working in public or private company.

## Benefits for the participants

- Receive the latest state of the art information from internationally well known expert presentations and discussions
- Be informed on the different aspects of safety, such as safety technology and technical measures, operational aspects
- Be prepared to organize management and operation of safety organizations
- Receiving Certificate of attendance
- Course and references material. A notepad illustrated with all the slides to be used during the seminar, abstracts of the lectures and a short bio of the lecturers. A digital copy (CD-ROM) of all slides used during the lectures.
- Extend your social and professional network.

## Organization

This event is co-organized by the Riyadh Municipality and the ITACET Foundation.

The ITACET Foundation is to be developed into a center of Excellence for Education and training on Tunneling and underground Space Use and fulfil its mission by notably organise specialised Training Sessions.

More about the Foundation on the web: [foundation.itacet.org](http://foundation.itacet.org)

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## Lecturers of the seminar



**Felix AMBERG** >> President of the Amberg Group Amberg Engineering Ltd. Amberg Measuring Technique Ltd. Hagerbach Test Gallery Ltd. President of the Swiss Tunneling Society.  
Project-related experience: L-SURF (Design Study for a Large Scale Underground Research Facility on Safety and Security). Coordination of an EU-research project. 2000 to date Tunnel TESLA (TeV Energy Superconducting Linear Accelerator), DESY (German Electron Synchrotron), Germany. 1990 to date Gotthard Base Tunnel.



**Andre ASSIS** >> Full Professor of the Department of Civil & Environmental Engineering at the University of Brasilia (UnB), Brazil.  
He was president of the Brazilian Tunnelling Committee, CBT (1998-2002), and of the International Tunnelling and Underground Space Association, ITA (2001-2004). Presently, he is chairperson of the ITA Committee on Education and Training, and consultant of the Sao Paulo Metro Co., hydroelectric projects in Brazil and Ecuador, and technical advisor of the Herrenknecht Co. and technical master of the tunnelling group of Coffey Geotechnics.



**Pierre SCHMITZ (PIARC)** >> Previously technical adviser at the Belgian Co-operation in Morocco, Rwanda and Ivory Coast; then consultant near the Government of Ivory Coast for energy matters, mainly for World Bank projects.  
Since 1993 Engineer in the Administration of Equipment and Transport of the Brussels Region. Head of the European and International relations department in the General directorate of Brussels Mobility and is in charge of the European R&D projects related to road tunnels safety and telematic (ITS) applied to urban transport. Current Vice President of the PIARC technical committee for road tunnel operation.



**Arnaud MARCHAIS** >> since 2002, head of the General Inspection of Fire Protection and head of the fire safety department of the French RATP.  
He is a member of the EU's "European project Transport Fire Safety Engineering" and redactor for the European Committee for Standardization. As UITP representative he is a member of the European Railway Agency working party for the upgrading of the Technical specification of interoperability relating to safety in railway tunnels in the trans-European conventional and high-speed rail system.