

# ITACET Foundation

## Activity Report

### June 2012

**Claude BERENGUIER Executive Director**

- Created on September 25th, 2009 following the report presented and accepted during the ITA General Assembly 2009
  - Foundation website: [www.itacet.org](http://www.itacet.org)
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- Main objective is to encourage the Education and the Professional Training of specialists in Underground Space Use for the benefit of the emerging countries

## Main Founders

- **Abdullah Al-Mogbel (Saudi Arabia)**
- **CUC (Switzerland)**
- **Dar El-Handasah (Egypt)**
- **GEODATA (Italy)**
- **HERRENKNECHT (Germany)**
- **ITA**

## Founders

- **Brazilian Tunnelling Committee (NM Brazil)**
- **D2 Consult (Austria)**
- **GEOTECHMIN (NM Bulgaria)**
- **ITA Austria (NM Austria)**
- **LEOBEN University (Austria)**
- **Ricky P. LOVAT (Canada)**
- **NV BEKAERT (Belgium)**

## Main Donors

- **AL-AJMI ( Saudi Arabia)**
- **SAPAC (Saudi Arabia)**

## Donors

- **SIG (NM Italy)**
- **AFTES (NM France)**
- **BASF (Switzerland)**
- **Italconsult (Italy)**
- **Many lecturers: C.Ingerslev, H.de Witt, I.Lee, S.Eskesen, L.Babendererde, H.Wagner, F.Amberg, P.Reinke, H.Russell, N.P.Hoj, Y.Bai, Fu de Ming, G.Bracher, O.Vion, P.Grasso, V.Wetzig, D.Lamont, M.Vogel.**

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## Benefits for Donors

- **To be recognized among the Training Community on Underground Space use**
- **To received a certificate of Donor**
- **To seat in the Council of Foundation (under conditions)**
- **To organize Training Sessions**
- **To participate to ITA-endorsed Master Courses**

- Council of Foundation
- **Abdullah Al-Mogbel (Saudi Arabia), President**
- **Piergiorgio GRASSO (Italy), Vice-President**
- **Felix AMBERG (Switzerland), Secretary**
- **Martin HERRENKNECHT (Germany)**
- **In-Mo LEE (Korea)**
- **Sherif WISSA AGAIBY (Egypt)**
  
- Executive Board
- **Andre ASSIS (Brazil), Chairman**
- **Claude BERENGUIER (France), Executive Director**
- **Daniele PEILA (Italy), Technical Director**
- **Jeannette SCHÄRLI (Switzerland), Executive Secretary**
- **Joseph PUGNOT (Switzerland), Treasurer**
  
- Committee of Surveyors
- **Koichi ONO (Japan)**
- **Sebastiano PELIZZA (Italy)**
- **Raymond STERLING (USA)**

## **ITACET Foundation is to be developed into a Centre of Excellence for Education and Training on Tunnelling and Underground Space Use**

The Foundation fulfils its mission by notably finance, organise and sponsor:

- Specialised Training Sessions for Professional Education
- Certificate courses in establishments of Higher Education
- Certified trainee programmes for Professional développement
- Creation of International Recommandations, Guidelines and Standards for quality in Education and Training actions

## ITA Committee on Education and Training

**Chaired by Andre ASSIS (Brazil)**

- **ITA-endorsed Master Courses**
- **Short Courses for Young Professional**
- **National and Regional Workshops**
- **Training Material from the Working Groups results on the ITA Website**

- **Mechanized Tunnelling**
- **Conventional Tunnelling**
- **Sprayed Concrete**
- **Health and Safety during Construction and Operation**
- **Risk Management**
- **Waterproofing**
- **Management of User Safety**
- **Immersed Tunnels**
- **Utility Tunnels in Cities**
- **Design for Tunnelling**
- **Monitoring and Control**
- **Tunnelling Innovation**
- **Maintenance and Repair**
- **Numerical Simulation**
- **Underground Space use**
- **Innovations in Tunnelling**



## **Sponsorship to Students for postgraduate Master Courses**

Foundation sponsored tuition fees for three students coming from:

- Indonesia in Italy (Politecnico di Torino)
- Turkey in France (INSA and ENTPE)
- Nepal in Switzerland (EPFL)

- **Riyadh (Saudi Arabia) – 6-9 December 2009 on “Tunnelling in hot climate conditions”**
- **Vancouver (Canada) - 14-15 May 2010 on “General Tunnelling”**
- **Abu Dhabi (Emirates) – October 2010: Training Session on “Immersed Tunnels”**
- **Buenos-Aires – October 2010: Training Session on “Construction Methods”**
- **Bangkok (Thailand) – November 2010: Training Session on “Tunnel design, instrumentation and risk management”**
- **Kuala Lumpur (Malaysia) – 27-28 February 2011: Training Session on “Design for Tunnelling**
- **Helsinki (Finland) – 20-21 May 2011: Training session on “Holistic Approach for use of wet sprayed concrete for rock support” during WTC 2011**
- **Hagenberg (Austria) – 14-15 July 2011: Training Session on Numerical Simulation**
- **Shanghai (China) – 8-9 October 2011: Training Session on Safety aspects of Tunnel Operation**
- **Kathmandu (Nepal) – 9-10 December 2011: Seminar on Sprayed concrete in Tunnelling under Himalayan conditions**
- **Pnomh-Penh (Cambodia) – 14 December 2011: Seminar on Tunnelling and Underground Space Technology**
- **New Delhi (India)– 20-21 February 2012: Training Session on Health and Safety in Tunnels**
- **Riyadh (Saudi Arabia) – 25-26 March 2012 on Safety on Operation in Road and Railway Tunnels**
- **Santiago (Chile) – 26-27 March 2012 on Tunnelling and Shotcrete Technology**
- **Roma (Italy) – 13-14 April 2012 on Mechanized Tunnelling in Urban Areas**
- **Bangkok (Thailand) - 18-19 May 2012 on Tunnelling in Urban Areas (WTC 2012)**

Since its creation in September 2009, the  
Foundation organized  
16 Training Sessions all over the world.

The sessions gathered more than  
2000 participants

- **Azerbaijan – September 2012 on Urban Tunnels**
- **Shanghai (China) – 9-12 November 2012 on Risk Management and Safety issues during Design, Construction, Operation and Maintenance**
- **Singapore – November 2012 on Underground Space use**
- **Croatia – 2<sup>nd</sup> Semester 2012 on Immersed Tunnels**
- **Brazil – 2<sup>nd</sup> Semester 2012 on Tunnelling and Shotcrete Technology and on Mechanized Tunnelling**
- **Mexico – Oct-Nov 2012 on General Tunnelling**
- **Kathmandu – 10-11 December 2012 on Tunnel investigation, Design and Construction**
- **Malaysia on Tunnelling in Limestone**
- **India on Numerical Simulation**
- **Saudi Arabia on Safety in Transport Tunnels**
- **Myanmar on Mechanized Tunnelling and on General Tunnelling**
- **Peru on Sprayed Concrete**
- **Geneva – May 2013 on Ground Improvement for Tunnelling (WTC 2013)**
- **Washington – June 2013 on Numerical Simulation in Tunnelling**
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**Other expected Seminars For Continuing Education in Abu Dhabi, Bahrain, ...**