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- Founded in 1974
- Member nations: 55
- Other nations represented by affiliate members:10
- Corporate affiliate members: 147
- Individual affiliate members: 127
- 12 Prime Sponsors and 5 Supporters

Operational Safety of Underground Facilities - Istanbul - 6-7 October 2009



- Owners, Public and Private
- Owner's engineering agencies Private and governmental Townplanners
- Engineering designers & consultants Academia & Researchers
- Heavy construction contractors
- Specialty contractors (microtunnelling, shotcreting, freezing,...)
- Material & Equipment Suppliers

- **Economists** Financiers
- Mine owners and mining operators

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- AITES-ITA annual World Tunnel Congresses
- Training for Young professionals
- Organising international studies and experiments
- Publication of proceedings, reports, documents...
- · Organizing Workshops and Colloquia
- Website
- Journal & Newsletter
- Communication with the Decision Makers

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- Committee on Operational Safety of Underground facilities
- Committee on Education and Training
- Committee on Underground Space
- Contractual practices
- Health & safety in works
- Maintenance & repair
- Immersed & floating tunnels
- · Use of shotcrete
- Mechanised tunnelling
- Underground works & environment
- Long tunnels at great depth
- Training
- Conventional Tunnelling
- Urban Underground solutions

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Committee on Operational Safety of Underground Facilities

Chaired by Felix AMBERG (Switzerland) Vice-chaired by Didier LACROIX (PIARC)

- To help for Safe Operation
- Open for all interested parties dealing with design, construction, operation, use and research
- Organize thematic workshops and tests



ITA COSUF is to be developed into a Centre of Excellence for world-wide exchange of information and knowhow regarding Safety and Security of **Underground Facilities**



- Forum for Road Tunnel Safety Officers:
- Safety Officers introduced by EU Directive 2004/54/EC
- ITA-COSUF will organise and run jointly with the EU "European Forum of Road Tunnel Safety Officers » Date: 4.- 5.11. in Lyon
- ITA-COSUF Workshop on: 'Safety Challenges' at 5.11.2009 in Lyon

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- Sponsoring of an ITA COSUF price for outstanding activities and to support dedicated
- work of students within the scope of ITACOSUF
- Training courses within ITA-CET
- Specialised technical workshop co-organised with ISTSS

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Committee on Education and Training

Led by Andre ASSIS (Brazil) and WG 18 : Training Led by Daniele PEILA (Italy)

- To coordinate the exchanges among the members
- To establish the contents and requirements of the Master courses endorsed by ITA
- · To disseminate training and educational materials

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Committee on Education and Training and Working Group Training

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

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- Why Go Underground in Urban Areas
- Health and Safety during Construction and Operation
- Risk Management
- · Mechanized Tunnelling
- Conventional Tunnelling
- Waterproofing
- Sprayed Concrete

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UN-ITA Workshop on Underground Space Use in Developing Countries ("Group of 77") New-York - 14 December 2007

Tunnels and Underground Space Use for:

- Clean and waste water
- Energy efficiency and conservation
- Foods and Goods storage in rural areas in harsh climates
- Public Use and bulk storage in Mega cities
- Safety during natural and manmade Hazards including Earthquakes
- Multiple Use of Lands and Preservation of world heritage sites

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