Program

8.15-8.45  Registration

8.45-9.00  Opening Ceremony: Welcome of the authorities 1’

Session  
Chairman: D. Peila - ITA Expert

9.00-9.30  Case history of Rock TBM in difficult conditions from Turkey  
N. Bilgin - Istanbul Technical University

9.30-10.00  Case history of the Follo Line project in Norway: Site assembly and TBM start up  
G. Giacomin - Ghella

10.00-10.30  Underpassing of the FNM with the tunnels of Metro 5 Line of Milan Metro  
A. Caffaro - Astaldi

10.30-11.00  Case histories of TUEN MUN CHEK LAP KOK tunnel in Hong-Kong  
B. Combe - Bouygues
Coffee break

Crossing large karst cavity in TBM Tunnelling
M. Concilia – Impresa Pizzarotti

Case history of Hallandsas tunnels completed after 23 years of hard work
F. Renault - Vinci

Challenging passage with low cover under historical building complex downtown Copenhagen
G. Kafantaris / V. Violo / A. Rubegni / A. Raschillà - Salini-Impregilo

Grouting in rock TBM - Grouting during TBM excavation in hard rock
K.G. Holter / G. Ramos - Basf

Lunch Break

2’ Session
Chairman: A. Pigorini - SIG President

TBM in and out
N. Della Valle - Tunnelconsult

Case history of hard rock TBM: La Maddalena exploratory adit for the Turin-Lyon high speed railway base tunnel
E. Fornari - Geodata

Case History of Ismaila Tunnels (Egypt): actual Slurry TBM progress under New Suez Channel, excavation in sand and clay
G. Menchini / M. Liti - CMC di Ravenna

Variable density machines some relevant case histories
W. Burger - Herrenknecht

Excavation of Polcevera tunnel
G. Cassani / G. Lunardi – Rocksoil

Some cases of difficult conditioning for EPB tunneling
D. Michelis- Mapei

Closing remarks
D. Peila - ITA Expert
SOCIETA’ ITALIANA GALLERIE

ITACET & SIG COURSE

"Mechanized tunneling: challenging case histories"

Roma 1st of December 2016

Roma Via G.V. Bona, 65 – Gianfranco Astaldi Conference Room

(The organization of the course is assigned to the SIG SRL)

Registration Fees:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member SIG</td>
<td>€ 48.80</td>
<td>(VAT 22% included)</td>
</tr>
<tr>
<td>Not a Member</td>
<td>€ 48.80</td>
<td>(VAT 22% included)</td>
</tr>
<tr>
<td>Graduate students, researchers</td>
<td>€ 48.80</td>
<td>(VAT 22% included)</td>
</tr>
<tr>
<td>Student (max 30 participants)</td>
<td>free</td>
<td></td>
</tr>
</tbody>
</table>

Including: course participation and slides of the presentations on magnetic media.

Registration form:

The registration form must be completed directly on the SIG web site (www.societaitalianagallerie.it), no later than 25 November 2016

The numbers of seats are limited to 70 participants and 30 students and priority will be given to registration order.

Payment:

☑ by Paypal directly on the website: www.societaitalianagallerie.it

☑ through bank transfer addressed to: SIG S.r.l. - Via E. Breda n. 28 - 20126 Milano
   IBAN: IT45J0200801621000100504079
   BIC SWIFT UNCRITM1221
   Unicredit, Ag. 221 - L.go Donegani n. 3 - 20121 Milano-MI Italy

Information:

SOCIETA’ ITALIANA GALLERIE

Via Ernesto Breda n. 28 - 20126 Milan (I)

Tel +39 (0) 25715805 Tel./Fax: +39 (0) 2 25708152 - Mobile 335 5452361

E-mail: segreteria@societaitalianagallerie.it;

The course is totally in English – The Participants will receive a certificate of attendance.

The event is credited by the Engineers Order of Rome Province with 8 CFP.
The training event is supported by

ASTALDI

The Chemical Company

CMC

Ghella

Salini Impregilo

UTT

MAPEI

TUNNEL CONSULT