ITACET & SIG Course
“Mechanized tunneling: challenging case histories“
Rome - 1st December 2016
Gianfranco Astaldi Conference Room – Via G.V. Bona, 65

The event is credited by the Engineers Order of Rome Province. The participation to the course gives Formative Credits to Engineers (8 CFP for participation)

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 Pavoncelli Tunnel
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
11.00-11.30 Coffee break

11.30-12.00 Crossing large karst cavity in TBM Tunnelling
M. Concilia – Impresa Pizzarotti

12.00-12.30 Case history of Hallandsas tunnels completed after 23 years of hard work
F. Renault - Vinci

12.30-13.00 Challenging passage with low cover under historical building complex downtown Copenhagen
G. Kafantaris / V. Violo / A. Rubegni / A. Raschilla - Salini-Impregilo

13.00-13.30 Grouting in rock TBM - Grouting during TBM excavation in hard rock
K.G. Holter / G. Ramos - Basf

13.30-14.30 Lunch Break

2’ Session
Chairman: A. Pigorini - SIG President

14.30-15.00 TBM in and out
N. Della Valle - Tunnelconsult

15.00-15.30 Case history of hard rock TBM
E. Fornari - Geodata

15.30-16.00 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

16.00-16.30 Variable density machines some relevant case histories
W. Burger - Herrenknecht

16.30-17.00 Excavation of Polcevera tunnel
G. Cassani / G. Lunardi – Rocksoil

17.00-17.30 Some cases of difficult conditioning for EPB tunneling
A. Boscaro - Mapei

18.00-18.30 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 SIG SRL)

Registration Fees:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
<th>(VAT 22% included)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member SIG</td>
<td>€48,80</td>
<td></td>
</tr>
<tr>
<td>Not a Member</td>
<td>€48,80</td>
<td></td>
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<tr>
<td>Graduate students, researchers</td>
<td>€48,80</td>
<td></td>
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<tr>
<td>Student (max 30 participants)</td>
<td>free</td>
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</tbody>
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Including: participation at the course and slides of the presentations on magnetic media.

Registration form:

The registration form must be filled directly on SIG web site (www.societaitalianagallerie.it); no later than

25 November 2016

The numbers of seats is 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’s:

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E-mail: segreteria@societaitalianagallerie.it;

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

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

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The training event is supported by

- Astaldi
- BASF
- C.M.C.
- Ghella
- Salini Impregilo
- UTT
- MAPEI
- Tunnel Consult