



Società Italiana Gallerie



## ITACET & SIG Course

### “Mechanized *tunneling: challenging case histories*”

Rome - 1<sup>st</sup> 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 of the Follo Line project in Norway: Site assembly and TBM start up**  
                    G. Giacomini - 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

ITACET Foundation c/o BG Ingénieurs Conseils SA | Av. du Cours 61 – 1007 Lausanne - Switzerland  
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- 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.Raschillà - 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: La Maddalena exploratory adit for the Turin-Lyon high speed railway base tunnel**  
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**  
D. Michelis- Mapei
- 18.00-18.30 *Closing remarks*  
D. Peila - ITA Expert

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# **SOCIETA' ITALIANA GALLERIE**

ITACET & SIG COURSE

## ***"Mechanized tunneling: challenging case histories"***

Roma 1<sup>st</sup> 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:**

Member SIG	€ 48,80	(VAT 22% included)
Not a Member	€ 48,80	(VAT 22% included)
Graduate students, researchers	€ 48,80	(VAT 22% included)
Student (max 30 participants)	free	

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](http://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](http://www.societaitalianagallerie.it)

☐ through bank transfer addressed to: SIG S.r.l. - Via E. Breda n. 28 - 20126 Milano

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### **Information:**

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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.**

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*The training event is supported by*



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