



ASSOCIATION
INTERNATIONALE DES TUNNELS
ET DE L'ESPACE SOUTERRAIN

AITES

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INTERNATIONAL TUNNELLING
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ASSOCIATION



MEMBER NATION ACTIVITY REPORT





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PRESENTATION

NAME:

Subcommittee of Underground Construction
of Polish Committee on Geotechnics

TYPE OF STRUCTURE - association open to public

NUMBER OF MEMBERS - 67 Individual Members
8 Corporate Supporting Members



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2015 - ACTIVITIES



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Organization and Participation in

1st Conference Underground Structures 2015,
8-9.09.2015 Kraków

The conference endorsed by ITA



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2015 - ACTIVITIES



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Participation of members in ITA activities:

**Anna Siemińska-Lewandowska - Member of
Executive Council, Tutor of WG15**

**Emilia Roguska - Member of the Steering Board
of ITA Young Members Group**



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Participation in WTC 2015 in Dubrovnik:

Monika Mitew-Czajewska – president

Jerzy Lejk – vice president

Anna Siemińska-Lewandowska - secretary

Emilia Roguska – member

Władysław Kluczewski - member



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Journals

- Budownictwo Górnicze i Tunelowe -
Mine and Tunnel Engineering, ISSN 1234-5342
- Geoinżynieria- drogi, mosty, tunele -
Geoengineering- roads, bridges, tunnels
ISSN 1895-0426



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Journals

- Inżynieria i Budownictwo – Engineering and Construction, ISSN 0021-0315
- Górnictwo i Geoinżynieria – Mining and Geoengineering, ISSN 1732-6702



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Publications

Siemińska-Lewandowska, A., Construction of metro station underneath the existing road tunnel; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 245-252.

Mitew-Czajewska, M., Evaluation of deep excavation impact on surrounding structures – a case study; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 161-172.

Lejk, J., The technical and economic conditions for the construction of the central section of Metro Line II in Warsaw; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 85-96.



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Publications

Mitew-Czajewska, M., Geotechnical investigation and static analysis of deep excavation walls – a case study of metro station construction in Warsaw; Annals of Warsaw University of Life Sciences – SGGW. Land Reclamation No 47 (2), 2015, p. 163-170.

Roguska, E., Lejk, J., Fuzzy risk matrix as a risk assessment method - a case study; See tunnel. Promoting Tunnelling in SER / Kolić D. (red.), 2015, ITA AITES, ISBN 978-953-55728-5-5, p. 796-797

Józefiak, K., Zbiciak, A., Maślakowski, M., [et all], Numerical Modelling and Bearing Capacity Analysis of Pile Foundation; Procedia Engineering, Elsevier BV, vol. 111, 2015, p. 356-363.



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Publications

Madryas, C., et al., Microtunneling as an alternative for crossing rivers during the execution of urban network infrastructure; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 105-111.

Kolonko, A., & Kolonko, A., Variable-diameter conduits for water grids; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 47-62.

Petrow-Ganew, D., Zur Linde, L., Abel, T., Trenchless installation technologies of sea outfalls, intakes and landfalls; Underground Infrastructure of Urban Areas 3. Madryas et al. Publisher, Taylor & Francis Group, London, ISBN 978-1-138-02652-0 CRC Press, p. 1-12.



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CURRENT TUNNELLING PROJECTS



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Road tunnel under the Martwa Wisła river in
Gdańsk will be open to public on 22 April 2016

The total length of the passage will be 1970 m
(approach ramps - 340 m, cut and cover
tunnels - 680 m, two 1076 m long tunnels
executed using 12,56 diameter Mixshield TBM)



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Road tunnel under the Martwa Wisła





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Road tunnel under the Martwa Wisła





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Road tunnel in Warsaw - a part of south city ring

The tunnel will be 2.700 m long, 3 lanes in each direction; construction method - cut and cover.

Design works in progress. Due date March 2019.

Contractor: Astaldi S.p.A.



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2nd metro line in Warsaw

Contractors for the Design and Build contract for the extension of this line were chosen in:

- east (3 stations, 3.1 km) - Astaldi S.p.A.
- west direction (3 stations, 3.4 km) – Gülermak Ağır Sanayi İnşaat ve Taahhüt A.Ş.



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FUTURE ACTIVITIES



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Tunnel under Luboń Mały - south Poland

Over 2 km bored tunnel on the S7 motorway from Kraków to Zakopane (polish skiing resort)

The tender procedure is in final stage, the contract should be signed in 2016.

Due date 2021-2022.



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Tunnel under Luboń Mały - south Poland (2016-2021)





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Tunnel under Luboń Mały - south Poland (2016-2021)

