

## Paper Session Agenda

**Thursday, 21st April 2016**

9:00 - 11:00	<b>Registration of Participants</b>
11:00 - 11:20	<b>Official Opening of the Conference</b> Conference Venue: Center of Energy, AGH UST
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<b>1st scientific session</b>	
11:20 - 11:30	Piotr Czaja: <i>Tunnel construction in Poland and in the world.</i>
11:30 - 11:40	Günther Weidig: <i>Stress-absorbing elements in tunnel construction.</i>
11:40 - 11:50	Marcin Talik, Artur Porębski: <i>Systems of geotechnical monitoring designed by NeoStrain, based on the example of the tunnel under the Dead Vistula River.</i>
11:50 - 12:00	Michał Strach: <i>Laser scanning analysis of tunnel technical condition and geometry, and rail transport infrastructure.</i>
12:00 - 12:10	Rafał Sieńko, Łukasz Bednarski, Tomasz Howiacki: <i>Monitoring rock mass and tunnel during its construction.</i>
12:10- 12:20	Discussion
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12:20 - 12:40	<b>Coffee break</b>
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<b>2nd scientific session</b>	
12:40 - 12:50	Tomasz Kwieciński: <i>Concept design of a tunnel under the Ursynów district.</i>
12:50 - 1:00	Justyna Glusman, Monika Mossakowska-Biało: <i>Road tunnel under the Wawelska Street in Warsaw as a social project – benefits and the possibilities of local authority funding.</i>
1:00 - 1:10	Andrzej Więckowski, Magdalena Gicala: <i>Tunnel construction in the Naprawa – Skomielna Biała section of the S7 express road – public tender and cost structure</i>
1:10 – 1:20	Alfred Wicher, Dariusz Pitura: <i>Road tunnel equipment in Poland, based on the example of the Gliwice and Gdańsk tunnels.</i>
1:20 – 1:30	Discussion
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1:30 - 3:10	<b>Coffee break</b> Lunch Cafe Restaurant Reymonta 15, 30-059 Kraków

3rd scientific session	
3:10 - 3:20	Justo Suárez, Ana Belén Amado: <i>Use of CFD to optimize the renovation of old tunnel ventilation systems. Case study.</i>
3:20 - 3:30	Stanisław Nawrat, Sebastian Napieraj, Natalia Schmidt-Polończyk: <i>The possibility of using air purification systems in urban tunnels.</i>
3:30 - 3:40	Heinz Aigner: <i>Air purification system for road tunnels – two different solutions in Madrid and Mont Blanc.</i>
3:40 - 3:50	Wojciech Węgrzyński, Grzegorz Krajewski: <i>Air supply strategy for longitudinal ventilation system in metro station.</i>
3:50 - 4:00	Grzegorz Krajewski, Wojciech Węgrzyński: <i>Air curtains used for separating smoke free zones in the event of fire in tunnel.</i>
4:00 - 4:10	Tomasz Burdzy: <i>Ventilation systems in tunnels and large-scale objects.</i>
4:10 - 4:20	Discussion
4:20 - 4:40	Coffee break
4th scientific session	
4:40 - 4:50	Piotr Bera, Sebastian Moryksiewicz, Maciej Kubica: <i>Fire dampers used in fire ventilation systems in tunnels – implementation and requirements.</i>
4:50 - 5:00	Jarosław Wąs, Jakub Porzycki, Robert Lubaś: <i>Validation and reliability of evacuation simulation tools.</i>
5:00 – 5:10	Stanisław Nawrat, Sebastian Napieraj, Natalia Schmidt-Polończyk: <i>Numerical modelling in assessing safety of road tunnel users in the event of fire.</i>
5:10 – 5:30	Summary of the Conference
7:30	<b>Conference Participants Meeting</b> Hawelka Restaurant Main Market Square 34, Kraków
<b>Friday, 22nd April 2016</b>	
9:30	<b>Technical Visit to the Emilia Tunnel in Laliki</b> Place of departure: AGH Main Gate, ul. Reymonta 7
3:00 – 4:30	Lunch
4:30	Return to Krakow