





# 12

12. mednarodna konferenca  
o predorih in podzemnih objektih  
12<sup>th</sup> International Tunnelling and  
Underground Structures Conference

21.–22. november 2019, Gospodarsko razstavišče, Ljubljana | 21–22 November 2019, Exhibition and Convention Centre, Ljubljana

## PROGRAM / PROGRAMME

08:00–22:00	Četrtek, 21. november 2019, Gospodarsko razstavišče, Ljubljana, dvorana Urška	Thursday, 21 November 2019, Exhibition and Convention Centre, Ljubljana, Urška Hall
08:00–09:00	<b>REGISTRACIJA UDELEŽENCEV</b>	<b>REGISTRATION</b>
09:00–09:15	<b>POZDRAVNI NAGOVOR</b> Angelo Žigon, predsednik društva SDPG in Marko Brezigar, direktor 2TDK	<b>WELCOME ADDRESS</b> Angelo Žigon, President of the SDPG Society and Marko Brezigar, Director 2TDK
09:15–09:20	<b>UVODNI NAGOVOR</b> Samo Križaj, direktor SIKA Slovenija, generalni pokrovitelj	<b>OPENING ADDRESS</b> Samo Križaj, Director SIKA Slovenia, general sponsor
<b>09:20–10:00</b>	<b>VABLJENI PREDAVATELJI</b>  GRADIMO ZAUPANJE	<b>INVITED SPEAKERS</b>  BUILDING TRUST
09:20–09:40	<b>Sascha Schreiner</b> Use of Shotcrete in Tunneling and Mining	
09:40–10:00	<b>Yves Boissonnas</b> Waterproofing Solutions for Tunnels to Achieve the Required Watertightness and Durability	
<b>10:00–10:55</b>	<b>Tema: RAZISKAVE TAL</b>	<b>Topic: GROUND INVESTIGATION</b>
10:00–10:15	<b>Tina Živec, Erazem Dolžan, Ana Grkman, Julija Fux, Bogomir Celarc, Nejc Mihevc, Vlado Vukadin</b> Čez kraški rob: geološki izzivi pri projektiranju trase 2. tira Divača–Koper Over the Karstic Edge: Geological Challenges in the Design of the 2 <sup>nd</sup> Railway Track Divača–Koper	
10:15–10:30	<b>Markus Schmidt, Thomas Richter, Paul Lehmann</b> Geophysical Karst and Structural Exploration of the Divača–Koper Tunnels and their Integration in BIM	
10:30–10:45	<b>Walter Frei</b> Detection of Karst Dissolution Zones Using Seismic Methods	
10:45–10:55	<b>RAZPRAVA</b>	<b>DISCUSSION</b>
10:55–11:15	<b>Odmor s kavo in prigrizki</b>	<b>Coffee break with refreshments</b>
<b>11:15–12:25</b>	<b>Tema: PROJEKTIRANJE 1. del</b>	<b>Topic: DESIGN Part 1</b>
11:15–11:30	<b>Gerold Lenz, João Dinis</b> Ductile Support Systems – Lessons Learned at the Semmering Base Tunnel, Lot SBT1.1	
11:30–11:45	<b>Johannes Rodler, Peter Sturm, Robin Ratkic, Daniel Fruhwirt</b> System Tests of the Tunnel Ventilation – Common Practice in Austria	
11:45–12:00	<b>Melanija Huis, Matthias Trauntschnig, Ljubo Žerak, Gerald Zwitter, Christian Seywald, Peter Strasser, Peter Kastner</b> Challenges at Refurbishment of Railway Line from Rosenbach to Jesenice	
12:00–12:15	<b>Dietmar Bach, Thomas Neumayr</b> General Refurbishment of the 15.5 km Long Arlberg Tunnel in Austria	
12:15–12:25	<b>RAZPRAVA</b>	<b>DISCUSSION</b>

12:25–13:15	<b>Kosilo</b>   pokrovitelj 	<b>Lunch</b>   sponsored by 
<b>13:15–14:25</b>	<b>Tema: PROJEKTIRANJE 2. del</b>	<b>Topic: DESIGN Part 2</b>
13:15–13:30	<b>Peter Jemec, Mitja Jurgele</b> Drenirana voziščna konstrukcija v predorih Drained Pavement Structure in Tunnel	
13:30–13:45	<b>Miha Hafner, David Rajšter, Marko Žibert, Ulrich Zorin, Bernard Ženko, Tea Tušar</b> New Optimization and Decision Support Technologies in Tunnel Design, Operation and Traffic Management	
13:45–14:00	<b>Vojkan Jovičič, Elvir Muhić, Mitja Pečovnik</b> Main Challenges of Design in BIM Environment for Tunnel Pekel on Second Railway Track Maribor–Šentilj	
14:00–14:15	<b>Jure Česnik, Marko Žibert, Martin Lah</b> Advanced Analytics and Data Management in Tunneling	
14:15–14:25	<b>RAZPRAVA</b>	<b>DISCUSSION</b>
14:25–14:45	<b>Odmor za kavo</b>	<b>Coffee break</b>
<b>14:45–15:40</b>	<b>Tema: GRADNJA</b>	<b>Topic: CONSTRUCTION</b>
14:45–15:00	<b>Jure Klopčič</b> Use of NATM in North American Mining Industry	
15:00–15:15	<b>Aleš Gothard, Pavel Herman, Václav Pavlovský</b> Construction of Rail Tunnels and Station Espoonlahti of Helsinki – Espoo Metro	
15:15–15:30	<b>Josef Malknecht</b> Tunnel Dýrafjarðargöng, Iceland a Matter of Challenging Logistic	
15:30–15:45	<b>Viktor Wölk</b> Railways for the World of Tomorrow	
15:45–15:55	<b>RAZPRAVA IN ZAKLJUČKI</b>	<b>DISCUSSION AND CONCLUSIONS</b>
16:00–17:30	<b>OKROGLA MIZA</b> <b>Javno naročanje infrastrukturnih projektov; izkušnje iz Slovenije in tujine</b> dr. <b>Tomaž Vidic</b> , predsednik uprave DARS, <b>Marko Brezigar</b> , direktor družbe 2TDK <b>Damir Topolko</b> , nam. v. d. direktorice DRSI, <b>Václav Pavlovský</b> , Metrostav, namestnik direktorja za mednarodne operacije, izvajalec z izkušnjami iz javnih razpisov v tujini, <b>Angelo Žigon</b> , direktor Elea iC	<b>ROUND TABLE</b> <b>Public procurement of infrastructure projects; Experiences from Slovenia and abroad</b> dr. <b>Tomaž Vidic</b> , CEO DARS, <b>Marko Brezigar</b> , Director 2TDK, <b>Damir Topolko</b> , Deputy Director DRSI, <b>Václav Pavlovský</b> , Metrostav, Deputy Director for International Operations, contractor with experience in tendering abroad, <b>Angelo Žigon</b> , Director Elea iC
17:30–22:00	<b>POGOSTITEV IN DRUŽENJE</b> Paviljon Jurček, Gospodarsko razstavišče, Ljubljana   pokrovitelj 	<b>NETWORKING EVENT WITH DINNER</b> Pavilion Jurček, Exhibition and Convention Centre, Ljubljana   sponsored by 
<b>08:00–17:00</b>	<b>Petek, 22. november 2019, Strokovna ekskurzija – ODPADE</b>	<b>Friday, 22 November 2019, Technical Visit – CANCELED</b>
08:00–17:00	Ogled trase drugega tira železniške proge Divača–Koper, lokacij portalov in viaduktov po novih dostopnih poteh. (Ogled vključuje kosilo. Ekskurzija bo organizirana le v primeru zadostnega števila prijav.)	Visit to the future second track of the Divača–Koper railway line, portal locations and viaducts along the new access roads. (Lunch is included. The technical visit will only be organised in case of a sufficient number of applications.)

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