

14<sup>th</sup>

• BiH KONGRES  
O TRANSPORTNOJ  
INFRASTRUKTURI  
I TRANSPORTU

→ željeznice

14<sup>th</sup>

B&H CONGRESS  
ON TRANSPORT  
INFRASTRUCTURE  
AND TRANSPORT

→ railways

ACE BH  
UKI BIH

# Program

# Programme

2. i 3. oktobar  
October 2-3<sup>rd</sup>

Hotel Holiday, Sarajevo  
Bosna i Hercegovina

2025

## Organizator / Organizer:

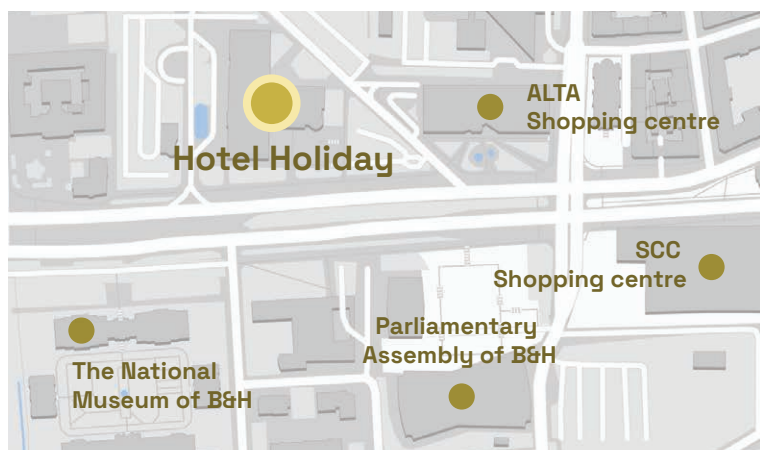


Udruženje Konsultanata Inženjera Bosne i Hercegovine  
Udruga Konzultanata Inženjera Bosne i Hercegovine  
Удружење Консултаната Инжењера Босне и Херцеговине  
Association of Consulting Engineers Bosnia and Herzegovina

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## MJESTO ODRŽAVANJA / VENUE



### Hotel Holiday

Zmaja od Bosne 4  
71000 Sarajevo  
Bosna i Hercegovina  
<https://www.hoteleuropegroup.ba/ba/holiday>

# PROGRAM / *PROGRAMME*

## 02.10.2025. ČETVRTAK / THURSDAY

08:30 - 09:00 Registracija učesnika / Participant registration

09:00 - 09:30 Ceremonija otvaranja / Opening ceremony

**Ešref Gačanin**

Predsjednik Udruženja konsultanata inženjera Bosne i Hercegovine  
*President of the Association of Consulting Engineers of B&H*

**Edin Forto**

Ministarstvo komunikacija i prometa Bosne i Hercegovine  
*Ministry of Communications and Transport of Bosnia and Herzegovina*

**Safet Sinanović**

Bosansko-Hercegovačka željeznička javna korporacija  
*Bosnia and Herzegovina Railways Public Corporation*

**Ivan Tuhacek / AŽD PRAHA**

Sponzor / Sponsor

09:30 - 12:50 Prva sesija / First session

09:30 - 09:50 **Safet Sinanović, Marijan Jozinović, Elvedin Dedić**

Perspektive održivosti i integracije željezničkog sektora Bosne i Hercegovine /  
*Prospects for the sustainability and integration of the railway sector of Bosnia and Herzegovina*

09:50 - 10:05 **Kire Dimanoski**

Akциони plan za željeznice nove generacije 2025 – 2027 za Zapadni Balkan /  
*Next Generation Rail Action Plan 2025 – 2027 for the Western Balkans*

10:05 - 10:20 **Franc Zemljič, Stefan Varešić**

Posebna pravila prema uredbi TEN-T i dozvoljeni operativni načini i propisi u skladu sa  
Tehničkim specifikacijama za interoperabilnost (TSI) /  
*Special rules according to the TEN-T Regulation and permitted operational modes and regulations  
in accordance with the Technical Specifications for Interoperability (TSI)*

10:20 - 10:35 **Aida Kalem, Nermin Čabrić, Adi Kalem**

Perspektive razvoja željezničkog transporta u BiH u skladu sa EU direktivama /  
*Perspectives of railway transport development in Bosnia and Herzegovina in accordance with EU directives*

10:35 - 10:50 **Ratko Đuričić, Nermin Čabrić, Ešref Gačanin**

Nacionalna politika Bosne i Hercegovine i liberalizacija evropskog željezničkog saobraćajnog tržišta /  
*National policy of Bosnia and Herzegovina and liberalization of the European railway transport market*

10:50 - 11:05 **Mirjana Bugarinović, Branislav Bošković**

Logički model i upravljanje performansama železničkog sistema /  
*Logical Model and Performance Management of the Railway System*

11:05 - 11:20 **Velibor Peulić**

Intermodalnost – put ka održivom integrisanom logističkom sistemu /  
*Intermodality – the path to a sustainable integrated logistics system*

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:20 - 11:35 | <b>Igor Pejić</b><br>Primjena Konvencije o internacionalnom željezničkom prijevozu – COTIF i Željezničkih paketa u cilju stvaranja održivog i interoperabilnog željezničkog sistema Bosne i Hercegovine /<br><i>Implementation of the Convention concerning International Carriage by Rail – COTIF and the Railway Packages with the aim of creating a sustainable and interoperable railway system in Bosnia and Herzegovina</i> |
| 11:35 - 11:50 | <b>Meliha Mujezinović</b><br>Integracija BiH u evropske logističke tokove: Strateška važnost intermodalnih rješenja /<br><i>Integration of B&amp;H into European Logistics Flows: Strategic Importance of Intermodal Solutions</i>                                                                                                                                                                                                |
| 11:50 - 12:05 | <b>Nenad Lukanović, Samir Gabeljić, Selim Bešlagić, Safet Husanović, Nijaz Puzić</b><br>Stanje i perspektive razvoja željezničkog saobraćaja na području Tuzlanskog kantona i regije sjeveroistočna Bosna i Hercegovina /<br><i>The State and Development Perspectives of Railway Transport in the Area of Tuzla Canton and the Northeastern Region of Bosnia and Herzegovina</i>                                                 |
| 12:05 - 12:20 | <b>Nina Avramović Trninić</b><br>Krajnje je vrijeme za ulaganje u željeznice / <i>It Is High Time to Invest in Railways</i>                                                                                                                                                                                                                                                                                                       |
| 12:20 - 12:35 | <b>Emir Jašarević, Nedžad Branković</b><br>Izvor finansiranja za razvoj željeznica BiH / <i>Sources of Funding for Railway Development in B&amp;H</i>                                                                                                                                                                                                                                                                             |
| 12:35 - 12:50 | <b>Mehmet Gökhan Berk, Deniz Gürsoy</b><br>Pregled mehanizama finansiranja iz EU za ERTMS: Fokus na njihovu relevantnost i primjenu u Turskoj /<br><i>A Review of the EU Funding Mechanism for ERTMS: Focus on Its Relevance and Application in Turkey</i>                                                                                                                                                                        |
| 12:50 - 13:20 | <b>Pauza za osvježenje / Break</b>                                                                                                                                                                                                                                                                                                                                                                                                |
| 13:20 - 14:55 | <b>Druga sesija / Second session</b>                                                                                                                                                                                                                                                                                                                                                                                              |
| 13:20 - 13:40 | <b>Bruno Dalla Chiara</b><br>Evolucija teretnih vlakova u Europi: od trenutnih ograničenja za željeznička vozila nove generacije, ne zaboravljajući DAC / <i>A breakthrough for freight trains in Europe and BiH: from current limits to next-generation rolling stock, not forgetting DAC</i>                                                                                                                                    |
| 13:40 - 13:55 | <b>Nenad Kecman</b><br>Informacioni sistem za upravljanje robnim prevozom korišćenjem veštačke inteligencije /<br><i>Information system for managing freight transport using artificial intelligence</i>                                                                                                                                                                                                                          |
| 13:55 - 14:10 | <b>Ivan Tuháček, Martin Šturma, Faruk Kubat</b><br>Nove inteligentne funkcije za upravljanje saobraćajem– napredna softverska rješenja zasnovana na tehnikama mašinskog učenja / <i>New intelligent functions for traffic management – advanced software solutions based on machine learning technics</i>                                                                                                                         |
| 14:10 - 14:25 | <b>Petra Tihole, Petar Dragić</b><br>Digitalni pristupi u održavanju železničke infrastrukture /<br><i>Digital Approaches to Railway Infrastructure Maintenance</i>                                                                                                                                                                                                                                                               |
| 14:25 - 14:40 | <b>Branislav Bošković, Stevo Zolak</b><br>Digitalno automatsko kvačilo: izazovi i rizici /<br><i>Digital Automatic Coupler: Challenges and Risks</i>                                                                                                                                                                                                                                                                              |

14:40 - 14:55 **Emir Emrah Adal, Kivılcım Koru Çiftcioğlu, Mehmet Öz**  
Udaljenosti između poprečnih prolaza u dugim dvocijevnim željezničkim tunelima:  
integrisani pristup CFD analizi i simulaciji evakuacije /  
*Distances Between Cross Passages in Long Twin Tube Railway Tunnels:  
Integrated CFD and Evacuation Simulation Approach*

14:55 - 16:00 **Ručak / Lunch**

16:00 - 17:30 **Treća sesija / Third session**

16:00 - 16:15 **Frano Barbir**  
Mogućnosti korištenja vodika kao goriva za željeznice / *The Potential of Hydrogen as a Fuel for Railway Systems*

16:15 - 16:30 **Jan Vrba**  
Razvoj portfolija manevarskih lokomotiva kompanije CZ LOKO /  
*Development of the CZ LOKO shunting locomotive portfolio*

16:30 - 16:45 **Aleksandar Knežević**  
Prilagođavanje klimatskim promjenama u BiH / *Adaptation to Climate Change in B&H*

16:45 - 17:00 **Suada Sulejmanović, Sanjin Albinović**  
Metodologija procjene ranjivosti željezničke infrastrukture na ekstremne vremenske uvjete /  
*Methodology for assessing the vulnerability of railway infrastructure to extreme weather events*

17:00 - 17:15 **Katarina Vranešić, Ivo Haladin**  
Željeznička infrastruktura u ekstremnim vremenskim uvjetima: poplave i visoke temperature /  
*Railway infrastructure in extreme weather conditions: floods and high temperatures*

17:15 - 17:30 **Krešimir Burnać, Ivo Haladin**  
Analiza buke željezničkog prometa utemeljena na in-situ vibroakustičkim mjerenjima i validaciji modela zaštite od buke / *Railway noise analysis through in-situ vibro-acoustic measurements and the validation of the noise protection model*

03.10.2025. **PETAK / FRIDAY**

09:00 - 11:15 **Četvrta sesija / Fourth session**

09:00 - 09:15 **Yalçın Eyigün**  
Iskustva Republike Turske u realizaciji strateških projekata u razvoju željeznica /  
*The Experience of the Republic of Türkiye in Implementing Strategic Railway Development Projects*

09:15 - 09:30 **Yalçın Eyigün, Serkan Uçar, Kivılcım Koru Çiftcioğlu**  
Evakuacione i tačke za spašavanje u dugim željezničkim tunelima prema TSI: Studija slučaja dvocijevnog tunela dužine 7 km u Istanbulu / *Evacuation and Rescue Points in Long Railway Tunnels as per TSI: Case Study of a 7 km Twin Tube Tunnel in Istanbul*

09:30 - 09:45 **Bojan Strajnar**  
Željeznička stanica Ljubljana – novi aspekti u planiranju dizajniranju, projektovanju i izgradnji /  
*Ljubljana Railway Station – New Aspects in Planning, Design, and Construction*

**14. BIH KONGRES O TRANSPORTNOJ INFRASTRUKTURI I TRANSPORTU → željeznice**  
**14<sup>th</sup> B&H CONGRESS ON TRANSPORT INFRASTRUCTURE AND TRANSPORT → railways**

- 09:45 - 10:00 **Amra Zvizdić, Emira Muftić, Haris Đedović, Šejla Hrnjić**  
*Savremeno novo idejno rješenje željezničke pruge Vareš – Banovići / Modern New Conceptual Design of the Vareš – Banovići Railway Line*
- 
- 10:00 - 10:15 **Jure Blejec, Edvin Hadžiahmetović**  
*Iskustva kod gradnje kolosjeka na čvrstoj podlozi na novoj pruzi Divača – Koper / Experiences in Track Construction on a Solid Substructure on the new Divača – Koper Railway Line*
- 
- 10:15 - 10:30 **Ivona Nedevska Trajkova**  
*Optimizacija podbijanja kolosijeka na osnovu trendova degradacije geometrije pruge: studija slučaja dionice Kolašin–Podgorica / Optimization of tamping interventions based on track geometry degradation trends: case study of the Kolashin–Podgorica railway section*
- 
- 10:30 - 10:45 **Mirsad Velju, Denis Lukač**  
*Sistemska pristup unapređenju bezbjednosti na željezničko-drumskim ukrštanjima i širem saobraćajnom kontekstu / Systemic Approach to Enhancing Safety at Railway-Road Crossings and Within the Broader Transport Context*
- 
- 10:45 - 11:00 **Stjepan Kralj, Mario Kralj, Frane Burazer Ilić**  
*Željezničko-cestovni prijelazi – mjesta visokog rizika i neke mjere osiguranja / Railway crossings – of high-risk areas and some insurance measures*
- 
- 11:00 - 11:15 **Zvonimir Viduka**  
*Suvremeni signalno-sigurnosni uređaji tvrtke ALTPRO / Modern signalling and safety devices by the company ALTPRO*

**11:15 - 11:45 Pauza za osvježenje / Break**

**11:45 - 13:00 Peta sesija / Fifth session**

- 11:45 - 12:00 **Dragan Đorđević, Nikola Ristić, Ana Vulević, Jasmina Stanišić**  
*Analiza pristupačnosti željezničkog saobraćaja sa aspekta osoba sa invaliditetom: dionica Beograd–Novi Sad / Analyzing the accessibility of rail traffic from the perspective of individuals with disabilities in the Belgrade–Novi Sad section*
- 
- 12:00 - 12:15 **Osman Lindov, Aleksandra Petrović**  
*Transport opasnih materija željeznicom sa aspekta prevencije nesreća i smanjenje emisija / Accident prevention and emission reduction in the transport of dangerous goods by railways*
- 
- 12:15 - 12:30 **Nermin Čolo**  
*Modeliranje potrošnje električne energije tramvaja/željenica / Modelling of electricity consumption of trams/railways*
- 
- 12:30 - 12:45 **Zoran Bibanović**  
*Ekonomski, društveni i politički značaj željeznice za razvoj kulturnog i ekoturizma u BiH / Economic, Social, and Political Importance of Railways for the Development of Cultural and Ecotourism in B&H*

**12:45 - 13:00 Završna riječ / Closing Remarks**

**NAPOMENA / NOTE:**

U okviru vremenskog rasporeda naznačenog uz svaki referat, uključeno je vrijeme za izlaganje referata, kao i vrijeme za eventualna pitanja publike. / The time indicated for each paper includes time for presenting paper and time for audience questions.

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# AŽD

## SIGURNO DO VAŠIH DESTINACIJA



Vodeći evropski dobavljač modernih sistema  
upravljanja i signalizacije, uključujući ETCS



[www.azd.cz](http://www.azd.cz)

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## 14. BIH KONGRES O TRANSPORTNOJ INFRASTRUKTURI I TRANSPORTU 14<sup>th</sup> B&H CONGRESS ON TRANSPORT INFRASTRUCTURE AND TRANSPORT

**Hotel Holiday / 2. - 3. oktobar / 2025 / Sarajevo, Bosna i Hercegovina**  
**Hotel Holiday / October 2 - 3<sup>rd</sup> / 2025 / Sarajevo, Bosnia and Herzegovina**

# Bilješke / Notes

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