



ŽILINSKÁ UNIVERZITA  
 V ŽILINE

Invitation for 24<sup>th</sup> International Seminar

## TRACK MAINTENANCE MACHINES IN THEORY AND PRACTICE



Seminar is organised under the auspices of

Rector of the University of Žilina  
 Prof. Ing. Ján ČELKO, CSc.

and

Director General of ŽSR  
 JUDr. Alexander SAKO

### ORIENTAČNÁ MAPA MHD ŽILINY INFORMATION URBAN TRANSPORT MAP OF ŽILINA



## SPONSORS OF THE SEMINAR SETRAS 2024



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## PROGRAMME AND ORGANIZING COMMITTEE:

**Peter BADO**, GJW Praha s.r.o., CZ

**Dalibor BARTA**, Faculty of Mechanical Engineering, University of Žilina, SK

**Peter BLAHO**, ŽSR Directorate General, Bratislava, SK

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**Pavel FIALA**, Railway Administration, s. o., Technology and diagnostic center, Praha, CZ

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**Mojmír NEJEZCHLEB**, Railway Administration, s. o., Praha, CZ

**Janka ŠESTÁKOVÁ**, ŽSR Directorate General, Bratislava, SK

## ORGANIZATIONAL INSTRUCTIONS

- < **PLACE OF THE SEMINAR:** The lectures of the Seminar will be held in the University Campus, Block G-H (GAMA Club), Vysokoškolákov street 20 at Veľký diel, in Žilina, Slovakia.
- < **TRANSPORT:** From railway station - trolleybuses N<sup>o</sup> 1, 6 or 14, bus N<sup>o</sup> 30 - direction Vlčince housing estate, see the enclosed map and <http://www.dpmz.sk/>.
- < **REGISTRATION:** on **October 22, 2024** 16<sup>00</sup> - 19<sup>30</sup> at the building of the Regional directorate of ŽSR, 1. Mája str., N<sup>o</sup> 34  
on **October 23, 2024** from 7<sup>30</sup> at the GAMA Club, University Campus, block G - H.
- < **PARTICIPATION FEE:** 150 € (for one of authors only 100 €) covers the cost of organization of the seminar, its technical support, preparation and printing of the proceedings, refreshments and catering. Accommodation is not included in the conference fee.
- < **CATERING:** On both days of the seminar lunches are available for its participants in canteen of the University of Žilina. The condition for providing lunches is to indicate interest in the binding application to SETRAS.
- < **ACCOMMODATION:** It is possible to book accommodation at DUOTOUR Travel Agency, 013 22 Rosina 405, county Žilina, Slovakia, tel./fax: +421 904 692 592, e-mail: [ckduotour@gmail.com](mailto:ckduotour@gmail.com) or individually, for example (<https://www.booking.com/city/sk/zilina.en-gb.html>).
- < **SOCIAL PARTY:** On 23 October a social party will be organized in premises of the University of Žilina canteen. The condition for participation is to indicate interest in party in the binding application.
- < **PAYMENT INSTRUCTIONS:** The conference fee (possibly also promotion fees) is paid on the basis of the invoice issued by VTS at ŽU. Invoices will be issued on the basis of a binding application or promotion orders, in which the invoicing data of the payer must be specified. Invoices will be issued and sent 14 days before the date of SETRAS. Payments must be realized by bank transfer. No payments can be made in cash or by payment card.

Please, send your application till the **25<sup>th</sup> September 2024** to the address:

**Daniel Kalinčák**  
**VTS pri ŽU v Žiline**  
**Univerzitná 1**  
**010 26 ŽILINA**  
**SLOVAK REPUBLIC**

or preferably by e-mail ([daniel.kalincak@fstroj.uniuz.sk](mailto:daniel.kalincak@fstroj.uniuz.sk)).

10<sup>30</sup>-11<sup>30</sup>

## LECTURES

**ŠTĚPÁNEK Jiří, Ing.**, CZ LOKO, a.s., Česká Třebová, Czech Republic

Installation of the ETCS protection system on MUV 75 vehicles

**GERLICI Juraj, prof., Dr.Ing.**, **LOVSKA Alyona, prof. Ing., Dr.Sc. Tech.**, **DIŽO Ján, doc. Ing., PhD.**, Žilinská univerzita v Žiline, Strojnícka fakulta, Slovakia

Determination of the dynamic load of the modified structure of an open wagon hatch cover

**DIŽO Ján, doc., Ing., PhD.**, **LOVSKA Alyona, prof., Ing., Dr.Sc. Tech.**, **BLATNICKÝ Miroslav, doc., Ing., PhD.**, **ISHCHUK Vadim, Ing.**, Žilinská univerzita v Žiline, Strojnícka fakulta, Slovakia

A planar model of passenger railway vehicle oscillation

11<sup>30</sup>-11<sup>50</sup>

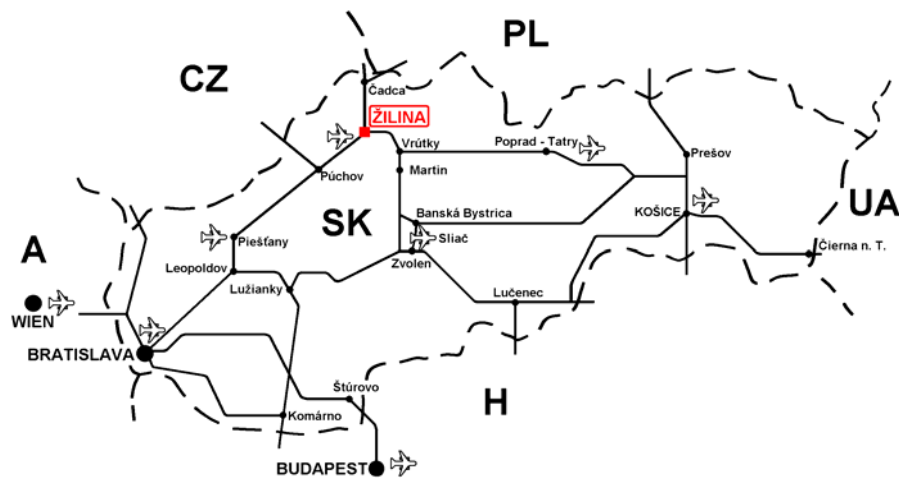
## DISCUSSION

11<sup>50</sup>-12<sup>10</sup>

## CLOSING ADDRESSES

12<sup>10</sup>

## LUNCH



**Chairman of Programme and Organizing Committee: Daniel KALINČÁK**, Department of Transport and Handling Machines, FME, University of Žilina, Univerzitná 1, 010 26 ŽILINA, SLOVAKIA. Mobil: +421 907 586 005, e-mail: [daniel.kalincak@fstroj.uniza.sk](mailto:daniel.kalincak@fstroj.uniza.sk).

**Organizational guarantor: Dalibor BARTA**, Department of Transport and Handling Machines, FME, UZ, Univerzitná 1, 010 26 ŽILINA, SLOVAKIA. Tel.: +421 41 513 2654, Mobil: +421 918 663 371, e-mail: [dalibor.barta@fstroj.uniza.sk](mailto:dalibor.barta@fstroj.uniza.sk).

The aim of the Seminar is to bring information to participants about state and perspectives of development in the field of track maintenance machines, small and heavy machinery for track construction and maintenance, rail/road vehicles, track measurement devices and track diagnostics etc.

## PROGRAMME OF THE SEMINAR

### October 22, 2024

**16<sup>00</sup>-19<sup>30</sup>** Registration of participants at the ŽSR Regional Directorate Žilina, 1. Mája str. N<sup>o</sup> 34, Žilina

### October 23, 2024

**from 7<sup>30</sup>** Registration of participants at the GAMA Club (University Campus - block G-H)

**9<sup>15</sup> - 9<sup>45</sup> OPENING CEREMONY, FESTIVE ADDRESSES**

**9<sup>45</sup> - 10<sup>00</sup> BREAK**

**10<sup>00</sup>-11<sup>40</sup> LECTURES**

**HORVÁTHOVÁ Andrea, JUDr.**, Ministry of transport of the Slovak republic, Bratislava, Slovakia

Present Application of legislative frameworks of the Union within a member state (Slovak Republic)

**SLOVAK Bohdana, Dr.-Ing.**, **NOTTBECK Sophie, Dr.-Ing.**, **GRIMMEIS Otto**, DB InfraGO AG, München, Germany

Approval process for new tamping machines at DB InfraGO AG

**ŠUK Vratislav, Ing.**, Výzkumný ústav železniční, a. s., Praha, Czech Republic

Experience with the approval of special vehicles on non-interoperable lines

**MYNÁŘ Zbyněk, Ing.**, SWIETELSKY Rail CZ, s.r.o., Praha, Czech Republic

Evolution of formation rehabilitation machines

**MYNÁŘ Zbyněk, Ing.**, SWIETELSKY Rail CZ, s.r.o., Praha, Czech Republic

Work of formation rehabilitation machine PM 1000 URM on the tracks in the Czech Republic

### 11<sup>40</sup>-12<sup>05</sup> DISCUSSION

### 12<sup>05</sup>-13<sup>30</sup> LUNCH

### 13<sup>30</sup>-14<sup>30</sup> LECTURES

**DOKOUPIL Jindřich, Ing.**, CZ LOKO, a.s., Česká Třebová, Czech Republic

Measuring car for railway overhead MVŽSv2

**STEČÍNSKÝ Bohuslav, Ing., MSc.**, **ŽELEZNÝ Jan, Ing.**, Správa železnic, s. o., Praha, Czech Republic

Change of special vehicles of the Railway Administration

**VAŠKO Martin, Ing.**, Compel rail a.s., Martin, Slovakia

Modernization and remotorization of special vehicles by the company Compel Rail a.s.

### 14<sup>30</sup>-14<sup>45</sup> DISCUSSION

### 14<sup>45</sup>-15<sup>10</sup> COFFEE BREAK

### 15<sup>10</sup>-16<sup>15</sup> PRESENTATION OF COMPANIES:

HPB měřící technika s.r.o., Praha, CZ

ROBEL Bahnbaumaschinen GmbH, Freilassing, DE

Vogel & Plötscher GmbH & Co.KG, Breisach, DE

### 16<sup>15</sup>-16<sup>40</sup> COFFEE BREAK

### 16<sup>40</sup>-18<sup>00</sup> LECTURES

**VAZAČ Matouš, Ing.**, SWIETELSKY Rail CZ, s.r.o., Praha, Czech Republic

Machine lines for the continuous reconstruction of the railway superstructure

**RAMBA Jakub, DVOŘÁK Tomáš, DiS.**, Hrochostroj a.s., Pardubice, Czech Republic

Machine grinding of switches

**MOSER Peter, DI(FH)**, Linsinger Maschinenbau Gesellschaft m.b.H., Steyermühl, AT

How to significantly extend the lifetime of the rail by maintaining the rails with a rail milling train in theory and practice

**MARTINČIČ Tomáš, Bc.**, SaZ s.r.o., Hodonín, Czech Republic  
New trends in the production of road-rail vehicles in SaZ s.r.o. Czech Republic

### 18<sup>00</sup>-18<sup>40</sup> DISCUSSION

### 19<sup>00</sup> EVENING RECEPTION

## October 24, 2024

### 8<sup>30</sup>-9<sup>50</sup> LECTURES

**HAVLOVÁ Alena, Mgr.**, **TUREK Josef, Ing., CSc.**, Komerční železniční výzkum, spol. s r.o., Praha, Czech Republic

ASI - Automated Switch Inspection by measuring trolley Krab

**TUREK Josef, Ing., CSc.**, **HAVLOVÁ Alena, Mgr.**, Komerční železniční výzkum, spol. s r.o., Praha, Czech Republic

Measuring drasine of the track geometry for Finnish railway

**POSGAY György, POSGAY Zoltán**, Metalelekto Méréstechnika Kft. Budapest, Hungaria

The latest manual and automatic diagnostic measuring instruments

**URDA Ján, Ing.**, **LANČA Tibor, Ing.**, ŽSR Výskumný a vývojový ústav železnic, Žilina, Slovakia

New diagnostic vehicles on Slovak railways

### 9<sup>50</sup>-10<sup>10</sup> DISCUSSION

### 10<sup>10</sup>-10<sup>30</sup> COFFEE BREAK



# DUOTOUR, travel agency

013 22 ROSINA 405, county ŽILINA

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offers and secures board accommodation in hotels:

## **Hotel DUBNA SKALA\*\*\*\* Žilina**

Hotel Dubna Skala is the first four-star boutique hotel, located in the historic center of Žilina.

**Price (accommodation including breakfast, parking, internet):**

single room	117 €
double room	129 €

## **PALACE Hotel POLOM\*\*\*\*+ Žilina**

Exclusive hotel, which has a century of tradition. Hotel is situated in the town city centre.

**Price (accommodation incl. breakfast, internet):**

single room	91 €
double room	133 €

## **Hotel Holiday Inn\*\*\*\* Žilina**

Modern hotel located next to hockey stadium closeby the historical city centre.

**Price (accommodation incl. breakfast, internet)**

single room	128 €
double room	147 €

## **Hotel BOSS\*\*\*\* Žilina**

Hotel is situated in the historical city centre near hotel Slovakia

**Price (accommodation including breakfast, parking):**

single room LUX	75 €
double room LUX	101 €

## **Hotel SLOVAKIA\*\*\* Žilina**

Hotel is located in the city centre.

**Price (accommodation including breakfast, parking, WiFi):**

single room	40 €
double room	70 €

## **Hotel GRAND\*\*\*+ Žilina**

- is situated right in the historic town centre. In hotel is newly opened Grand wellnessclub.

**Price (accommodation including breakfast, WiFi):**

single room LUX	71 €
double room LUX	103 €

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till 5 days before arrival	without tax
4 - 2 days before arrival	80% of calculated price
less than 2 days and no abolished orders	100% of calculated price.

# SETRAS 2024

Dear ladies and gentlemen,

we are preparing the 24<sup>th</sup> International Seminar „Track Maintenance Machines in Theory and Practice - SETRAS 2024“, which will take place in the University of Žilina at October 23 - 24, 2024. Usually about 200 specialists from Slovak Republic, Czech Republic and other countries (e.g. Austria, England, Finland, Germany, Hungary, Poland, Russia etc.) participate in the Seminar.

We offer to Your company possibility to advertise your products and services in this field in the Proceedings of Seminar. The Proceedings will be printed on format B5 (176 x 250 mm). Fees for one page of advertisement in the Proceedings of seminar are:

black&white page . . . . .	100 €
two color page . . . . .	170 €
full color page . . . . .	240 €.

Fees include only printing of advertisements delivered in the suitable form. Advertisements should be delivered in electronic form (preferably in format \*.pdf or \*.cdr)

It is possible to exhibit some smaller products in mini-exhibition, which will be in the area adjacent to the Seminar rooms. For this purpose tables and chairs will be provided. Panels for leaflet displaying, texts, pictures, photos etc. will be available too.

Fees for this ways of presentation are as follows:

Table or panel	100 €,
Exhibition of your own panel	65 €,
Free exhibition area	65 €/1 m <sup>2</sup> .

If you are interested in advertising of your company in the Seminar SETRAS 2024, please fill in enclosed order and send it (including prepared advertisement) **no later than on September 13, 2024** to the address or **preferably by e-mail:**

prof. Ing. Daniel KALINČÁK, PhD.

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Invoice will be send to you 14 days before beginning of SETRAS.2024. If you will order advertisement in Proceedings of Seminar, we will send to you one free copy of Proceedings of Seminar SETRAS 2024 till the end of November 2024.