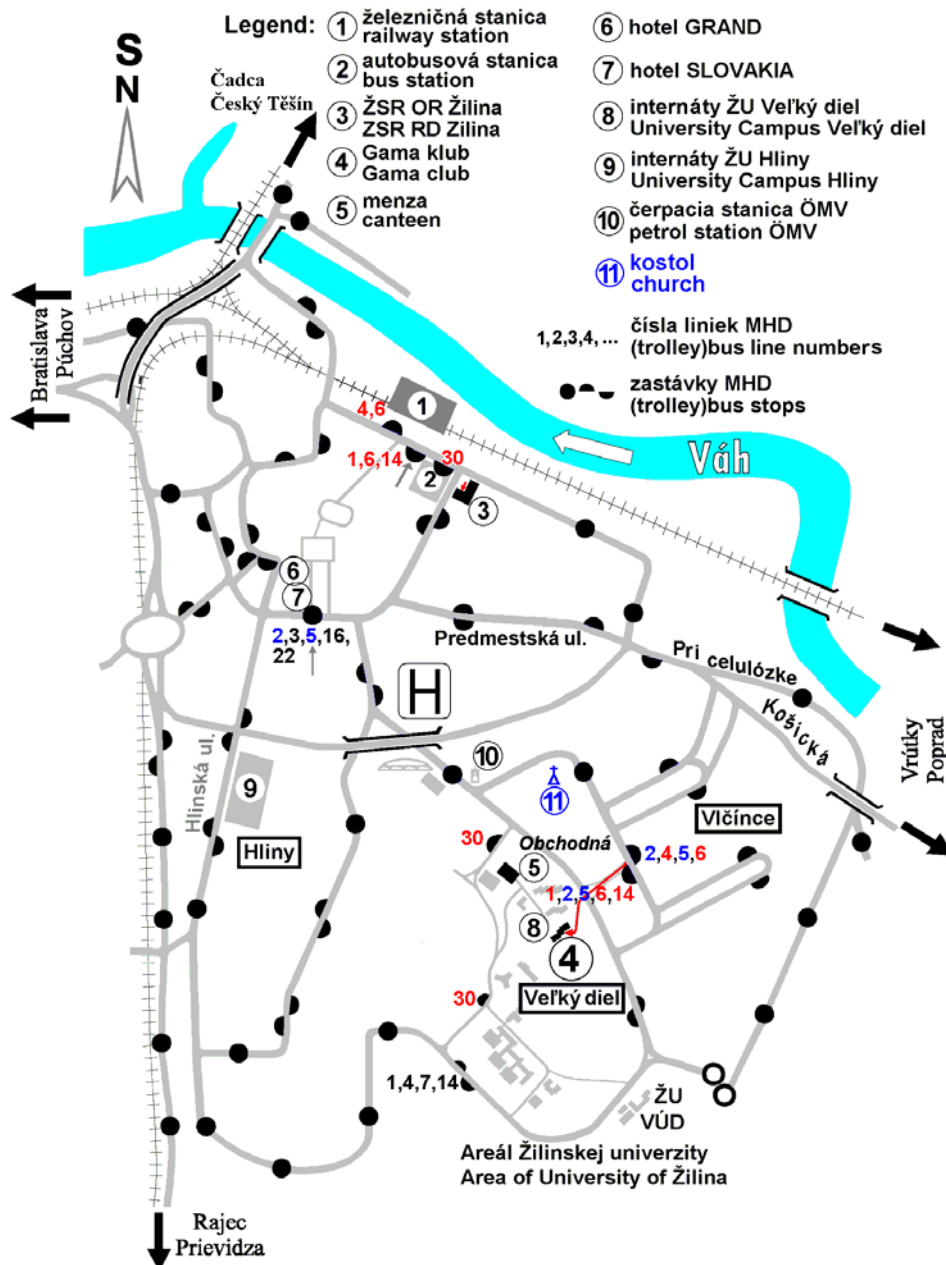




ORIENTAČNÁ MAPA MHD ŽILINY  
 INFORMATION URBAN TRANSPORT MAP OF ŽILINA



Invitation for 23<sup>rd</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. Jozef JANDAČKA, PhD.

and

Director General of ŽSR  
 Mgr. Martin ERDŐSSY

## SPONSORS OF THE SEMINAR SETRAS 2018



**DIAGO SF s. r. o.**  
Železničná 7  
977 01 BREZNO, Slovakia



**DT - Slovenská výhybkáreň, s. r. o.**  
Trenčianska 17  
915 01 NOVÉ MESTO NAD VÁHOM, Slovakia



**HMH, Ltd.**  
Tavrikova osada 39  
841 02 BRATISLAVA 42, Slovakia



**RAIL SERVIS SLOVAKIA s. r. o.**  
Bystrička 153  
038 04 BYSTRÍČKA, Slovakia



**ŽELEZNIČNÉ STAVBY, a. s.**  
Južná trieda 66  
040 01 KOŠICE, Slovakia

## PROGRAMME AND ORGANIZING COMMITTEE:

Juraj ANTAL, Žel-Rail, s.r.o., Martin, SK  
Peter BADO, GJW Praha s.r.o., CZ  
Alexander ČAPLA, ŽSR, Bratislava, SK  
Miroslav DURKOVSKÝ, ŽSR, Railway Research and Development Institute, Žilina, SK  
Tomas DŽUGAN, Rail Servis Slovakia, s.r.o., Bystrička, SK  
Juraj GERLICI, Faculty of Mechanical Engineering, University of Žilina, SK  
Jaroslav HANKO, ŽSR, Žilina, SK  
Miroslav HOLLAN, Railway Infrastructure Administration, s.o., Prague, CZ  
Milan HREBAČKA, pensioner, Prague, CZ  
Michael LATA, Jan Perner Transport Faculty, University of Pardubice, CZ  
Jozef LEHOČKÝ, pensioner, Bratislava, SK  
Josef NĚMEC, Aurora - engineering, s.r.o., Prague, CZ  
Jiri PALAŠČAK, Railway Infrastructure Administration, s.o., TUDC Olomouc, CZ  
Janka ŠESTÁKOVÁ, Faculty of Civil Engineering, University of Žilina, SK  
Ján UHNAVÝ, Headquarters of ZSR, 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 **November 6, 2018** 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 **November 7, 2018** from 7<sup>30</sup> at the GAMA Club, University Campus, block G - H.
- < **PARTICIPATION FEE:** 75 € (for one of authors only 40 €) covers the registration, proceedings and refreshment.
- < **BOARDING:** It is possible to order lunches (6 € each) and evening reception at November 7 (9 €). Order of boarding is obligatory.
- < **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 (<http://www.limba.sk>).
- < **PAYMENT INSTRUCTIONS:** The participation fee and fee for boarding should be paid by bank transfer. The participation fee paid cash at the registration desk will be higher (85 € or for one of authors 50 €). Payment by credit card cannot be accepted at the registration desk.

### Please pay in our favour:

Beneficiary: VTS pri Žilinskej univerzite v Žiline, Univerzitná 1, 010 26  
Žilina, Slovakia  
IBAN: SK600900000000076511456  
var. s. 120, const. s. 385  
Beneficiary's bank: Slovenská sporiteľňa a.s. Bratislava, S.W.I.F.T.: GIBASKBX

### Please, send your application till the 8<sup>th</sup> October 2018 to the address:

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

or by e-mail.

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

## LECTURES

**DŽUGAN Tomáš, Ing.**, RAIL SERVIS SLOVAKIA s.r.o., Bystrička, Slovakia

Small railway mechanisms in the assortment of the firm Rail Servis Slovakia Ltd.

**JUROSZ Roman**, RMT s. r. o., Paskov, Czech Republic

Measurement of geometric parameters of railway wheels, wheelsets by measuring laser instruments

**ZVOLENSKÝ Peter, prof., Ing., CSc.**, **GREŇČÍK Juraj, doc., Ing., PhD.**, Faculty of Mechanical Engineering,

**PULTZNEROVÁ Alžbeta, Ing., PhD.**, Faculty of Civil Engineering, University of Žilina, Slovakia

Investigation of acoustic properties of noise barrier near railway tracks

**HAUSER Vladimír, Ing., PhD.**, **KRAVCHENKO Kateryna, PAVLÍK Alfréd, FOMINA Yuliia, Bc.**, Faculty of Mechanical Engineering, University of Žilina, Slovakia

Conceptual tram car bogie design aimed to minimizing impact of ride to the track

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

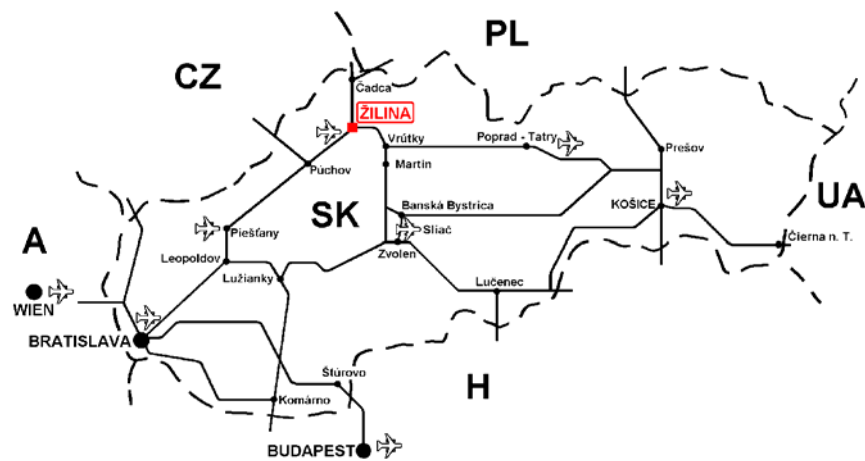
## DISCUSSION

12<sup>10</sup>-12<sup>20</sup>

## CLOSING ADDRESSES

12<sup>30</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. Tel.: +421 41 513 2650, Tel./Fax: +421 41 5254 440, Mobil: +421 907 586 005, e-mail: [daniel.kalincak@fstroj.uniza.sk](mailto:daniel.kalincak@fstroj.uniza.sk).

**Committee secretary: Dalibor BARTA**, Department of Transport and Handling Machines, FME, UZ, Univerzitná 1, 010 26 ŽILINA, SLOVAKIA. Tel.: +421 41 513 2654, Fax: +421 41 5254 440, 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

### November 6, 2018

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

### November 7, 2018

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

**UHNAVÝ Ján, Ing.**, **KAŠČÁKOVÁ Monika, Bc.**, ŽSR GR Bratislava, Slovakia

Present state of rail mechanisation at conditions of ŽSR

**KRULIKOVSKÝ Ondřej, Ing.**, **DUBA Petr, Ing.**, **JANECKÝ Ivo**, Dopravní podnik Hl. m. Prahy, a. s., Czech Republic

Independent traction vehicles and special vehicles for maintenance work and diagnostics in the Prague Metro

**RAMIREZ Frederic**, Geismar/Provence, Marseille, France  
Systems for transport, unloading and laying of track panels and turnouts

**LANG Andrej, Ing.**, ASTRA Rail Project, s.r.o., Poprad, Slovakia  
Innovative On-track machines – Sleeper and Ballast Carriers

**ŠTĚPÁNEK Jiří, Ing., RULC Milan, Ing., SVĚRÁK Luboš, Ing.,**  
CZ LOKO, a.s., Česká Třebová, Czech Republic  
Special vehicle MUV 75

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

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

**13<sup>30</sup>-14<sup>50</sup> LECTURES**

**KUBRT Petr, Ing., ŠIROKÝ Michal, DiS,** Pirell s.r.o., Česká Třebová, Czech Republic

Special grinding machines

**ŠERTLER Pavel, Ing., PRAX Martin, Ing.,** Pražská strojirna, a.s., Praha, Czech Republic

Two-way rail grinding vehicle type AT 2200-12E

**HANUŠ Petr, Ing.,** Chládek a Tintěra, Pardubice, a. s., Czech Republic

Rail welding machine K 355 PT

**DVOŘÁK Tomáš, DiS,** GJW Praha s.r.o., Czech Republic

Experience with two-way tamping machine UST 78 U

**14<sup>50</sup>-15<sup>10</sup> DISCUSSION**

**15<sup>10</sup>-15<sup>30</sup> COFFEE BREAK**

**15<sup>30</sup>-16<sup>35</sup> PRESENTATION OF COMPANIES:**

**DIAGO SF s. r. o.,** Brezno, Slovakia

**HMH, Ltd.,** Bratislava, Slovakia

**RAIL SERVIS SLOVAKIA, s. r. o.,** Bystrička, Slovakia

**MESIT asd., s. r. o.,** Uherské Hradiště, Czech Republic

**ROSTE TRADE s. r. o.,** Praha, Czech Republic

**VHC Trade spol. s r. o.,** Praha, Czech Republic

**16<sup>35</sup>-17<sup>00</sup> COFFEE BREAK**

**17<sup>00</sup>-18<sup>20</sup> LECTURES**

**KUPČULIAK Peter, Ing., PhD.,** ŽSR, OR Žilina, Slovakia

Head checking of the new railroad switches in the modernized railway track

**URDA Ján, Ing.,** ŽSR VVÚŽ, Žilina, **MANDULA Ján, doc., Ing., PhD.,** Stavebná fakulta TU Košice, Slovakia

Measuring the wear of switches on the ŽSR network

**TUREK Josef, Ing., CSc.,** Komerční železniční výzkum spol. s r. o., **VÝSEK Miroslav,** SZDC, s.o., TÚDC o.j., Praha, Czech Republic

Measuring device of corrugation GEKON - operational experiences

**FRANKOVIČ Marián, Bc.** ŽSR OR Košice, MDS Štrba, Slovakia

Application of biologically decomposable plastic antifriction oil for contact surfaces of side trails and rail vehicle wheels by means of track machine MUV 69

**18<sup>20</sup>-18<sup>40</sup> DISCUSSION**

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

**November 8, 2018**

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

**ĎURKOVSKÝ Miroslav, Ing.,** ŽSR VVÚŽ Žilina, Slovakia

Technical conditions on design, construction and maintenance of 1 000 mm track gauge Continuous Welded Rail

**ĎURKOVSKÝ Miroslav, Ing.,** ŽSR VVÚŽ Žilina, Slovakia

Technical conditions on design, construction and maintenance of 1 000 mm track gauge rack rail

**ÁGH Csaba, M. Sc.,** MÁV Central Rail and Track Inspection Ltd. Budapest, Hungary

A new arrangement of accelerometers on track inspection car FMK-007 for evaluating derailment safety

**BÉLI János, Ing.,** MÁV Central Rail and Track Inspection Ltd., Budapest, **POSGAY György, Ing.,** Metalelektro Measuring Technique Ltd., Budapest, Hungary, **VYSKOC Peter, Ing.,** TSS GRADE, a.s., Bratislava, Slovakia.

Measurement systems of trolley lines

**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

tel.: ++421 904 692 592 E-mail: [ckduotour@gmail.com](mailto:ckduotour@gmail.com)

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	106 €
double room	137 €

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

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

### **Price (accommodation incl. breakfast, parking, internet, sauna):**

single room	80 €
double room	111 €

## **Hotel BOSS\*\*\*\* Žilina**

New hotel is situated in the historical city centre near hotel Slovakia

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

single room	65 €
double room	90 €
single room LUX	72 €
double room LUX	99 €

## **Hotel SLOVAKIA\*\*\* Žilina**

- is located in the city centre. The hotel has night bar, sauna, solarium.

### **Price (accommodation including breakfast):**

single room	32 €
double room	54 €

## **Hotel GRAND\*\*\*+ Žilina**

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

### **Price (accommodation including breakfast, Wellnessclub, WIFI):**

single room LUX	70 €
double room LUX	101 €

### **In case of abolishing the order, CK DUOTOUR charges these storno-taxes:**

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 2018

Dear ladies and gentlemen,

We are preparing the 23<sup>rd</sup> International Seminar „Track Maintenance Machines in Theory and Practice - SETRAS 2018“, which will take place in the University of Žilina at November 7 - 8, 2018. 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 . . . . .	95 €
two color page . . . . .	155 €
full color page . . . . .	230 €.

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	90 €,
Exhibition of your own panel	50 €,
Free exhibition area	50 €/1 m <sup>2</sup> .

If you are interested in advertising of your company in the Seminar SETRAS 2018, please fill in enclosed order and send it (including prepared advertisement) **no later than on September 24, 2018** to the address:

prof. Ing. Daniel KALINČÁK, PhD.  
VTS pri Žilinskej univerzite  
Univerzitná 1  
010 26 ŽILINA  
SLOVAKIA

Tel.: (+421 41) 513 2650, Tel./Fax.: (+421 41) 5254 440, e-mail: [daniel.kalincak@fstroj.uniza.sk](mailto:daniel.kalincak@fstroj.uniza.sk).

Invoice will be send to you immediately after seminar. If you will order advertisement, we will send to you one free copy of Proceedings of Seminar SETRAS 2018 till the end of November 2018.



**Please fill in and send to the following address  
not later than October 8, 2018**  
 prof. Ing. Daniel KALINČÁK, PhD.  
 VTS pri ŽU  
 Univerzitná 1  
 010 26 ŽILINA, SLOVAKIA

**APPLICATION FOR THE ACCOMMODATION IN HOTEL: .....**

### OBLIGATORY APPLICATION

I confirm my attendance at the 23<sup>rd</sup> International Seminar „Track maintenance machines in theory and practice - SETRAS 2018“, which will take place on November 7 - 8, 2018 at the University of Žilina.

Name: ..... Scientific degree(s):  
 Surname: ..... Mr. Mrs.  
 Position:  
 Organisation (company):

Address:

Postcode: ..... Country: ..... Phone:  
 Fax: ..... Mobil: ..... E-mail:

I obligatory order lunches (price à 6,00 €):

on November 7, 2018: **yes no**  
 on November 8, 2018: **yes no**

I will participate in Evening Reception on November 7, 2018 (price 9 €): **yes no**.

I have paid participation fee by remittance to **account at bank Slovenská sporiteľňa a.s. Bratislava, IBAN: SK600900000000076511456** and I enclose a copy of the bank transfer: **yes no**.

I will pay cash on registration: **yes no**

I suppose my registration on: **November 6, 2018 November 7, 2018.**

Name and surname: ..... Date: ..... Number of nights: Double/single room: .....

.....  
 .....  
 .....  
 .....  
 .....

Your address:

Bank connection:

Telephone: ..... E-mail: .....  
 Fax: .....

### ATTENTION:

**Your application is obligatory.** In case of abolishing of the order storno-taxes will be charged.

You will get the invoice for accommodation together with the confirmation of your accommodation.

Send the fulfilled application **until October 25, 2018** the latest to the address:

**DUOTOUR, 013 22 ROSINA 405, county ŽILINA, Phone.: ++421 904 692 592**

**E-mail: ckduotour@gmail.com**

In ..... Date .....

Date: ..... Signature: .....

*The application form may be used for one participant only. In case of interesse, please use a copy. Those who have paid by transfer are asked to attach confirmation of payment or to present it at registration.*

.....  
 signature and stamp

Send the filled in Order form **until September 24, 2018** at the latest to address:  
Prof. Ing. Daniel KALINČÁK, PhD.  
VTS pri ŽU  
Univerzitná 1, SK - 010 26 ŽILINA, SLOVAKIA

**ORDER of the ADVERTISEMENT**

Name of company: .....  
Address: .....  
.....  
Registration number: ..... VAT No: .....  
Name of contact person: .....  
Phone: ..... Fax: .....  
Mobil: ..... e-mail: .....

We order advertising in the Proceedings of the Seminar SETRAS 2018 in following extent:

- ... pages of black&white advertisement (95 € per page),
- ... pages of two color advertisement (155 € per page),
- ... pages of full color advertisement (230 € per page).

Fee includes only printing of the advertisement which is delivered in the form suitable for printing.

We will deliver needed texts and pictures of the advertisement **till September 24, 2018** and we will pay the invoice for the advertisement immediately after its receiving.

We would like to present our company in different way and we order:

- ... table(s) (90,- €),
- ... panel(s) (90,- €),
- ... exhibition of our own panel(s) (50,- €),
- ... free exhibition area (50,- € per 1 m<sup>2</sup>).

Date: ..... Signature: .....

Remarks: