



ORIENTAČNÁ MAPA MHD ŽILINY
 INFORMATION URBAN TRANSPORT MAP OF ŽILINA



Invitation for 21st International Seminar

TRACK MAINTENANCE MACHINES
 IN THEORY AND PRACTICE



Seminar organised under the auspices of

Rector of the University of Žilina
 Dr.h.c. Prof. Ing. Tatiana ČOREJOVÁ, PhD.

and

Director General of ŽSR
 Ing. Miroslav KOČÁK

SPONSORS OF THE SEMINAR SETRAS 2016



DT - Slovak Point Works, Ltd.
Trenčianska 17
915 01 NOVÉ MESTO NAD VÁHOM, Slovakia



EC Test Systems Sp. z o.o.
ul. Lublańska 34
31-476 KRAKÓW, Poland



EVPÜ a.s.
Trenčianska 19
018 51 NOVÁ DUBNICA, Slovakia



HMH, s.r.o.
Tavrikova osada 39
841 02 BRATISLAVA 42, Slovakia



SENSIT s.r.o.
Školní 2610
756 61 Rožnov pod Radhoštěm, Czech Republic



TC Inter - Informatics, spol. s r.o.
Žilinská 790/17
017 01 Považská Bystrica, 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 ĎURKOVSKÝ, ŽSR, Railway Research and Development Institute, Žilina, SK
Tomas DŽUGAN, Rail Servis Slovakia, s.r.o., Bystrica, 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 HŘEBAČKA, 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
Ladislav MATEJOV, Headquarters of ZSR, Bratislava, SK
Jiri PALAŠČAK, Railway Infrastructure Administration, s.o., TUDC Olomouc, CZ
Janka ŠESTÁKOVÁ, Faculty of Civil Engineering, University of Žilina, 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^o 1, 6 or 14, bus N^o 30 - direction Vlčince housing estate, see the enclosed map and <http://www.dpmz.sk/>.
- ▶ **REGISTRATION:** on 8th November 2016 16⁰⁰ - 19³⁰ at the building of the Regional directorate of ŽSR, 1. Mája str., N^o 34
on 9th November 2016 from 7³⁰ 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 (5,50 € each) and evening reception at November 9 (8 €). 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 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: SK6009000000000076511456
var. s. 120, konst. s. 385
Beneficiary's bank: Slovenská sporiteľňa a.s. Bratislava, S.W.I.F.T.: GIBASKBX

Please, send your application till the 10th October 2016 to the address:

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

10¹⁰- 10³⁵ DISCUSSION

10³⁵- 11⁰⁰ COFFEE BREAK

11⁰⁰-12⁴⁰ LECTURES

STAMENKOVIĆ Dušan, prof., Dr.-Ing., BANIĆ Milan, doc., PhD., MILOŠEVIĆ Miloš, prof., PhD., University of Niš, Serbia

Possibility of Railway Track Condition Monitoring
VINKÓ Ákos, Budapest University of Technology and Economics, Hungary

Monitoring and Condition Assessment of Tramway Tracks in the aspect of deterioration rate

PAWEŁCZYK Marek, prof., Ing., PhD., DSc., Kielce University of Technology, **LESIAK Piotr, prof., Ing., PhD., DSc., PODSIADŁO Rafal, Ing., PhD.,** Kazimierz Pulaski University of Technology and Humanities in Radom, Poland

Investigation of the impact of the lightweight railway vehicle suspension with deformations of the wheelset running surfaces on the railway track

ZELENKA Jaromír, doc. Ing., CSc., HÁBA Aleš, Ing., Ph.D., KOHOUT Martin, Ing., Ph.D., DFJP, Univerzita Pardubice, Czech Republic

Assesment of vehicle dynamical response in the course of passing over structural turnout parts

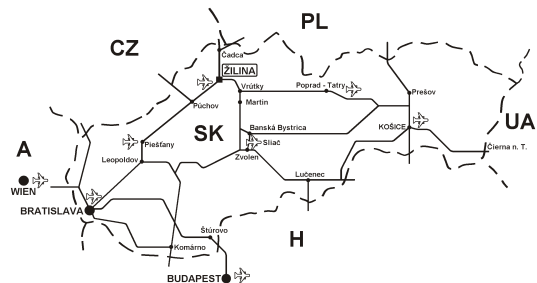
DIŽO Ján, Ing., PhD., BLATNICKÝ Miroslav, Ing., PhD., Faculty of Mechanical Engineering, University of Žilina, Slovakia

Analysis of influences of the rail vehicle running with damaged wheel on railway track

12⁴⁰-13⁰⁵ DISCUSSION

13⁰⁵-13¹⁵ CLOSING ADDRESSES

13²⁵ 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.

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.

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 8, 2016

16⁰⁰-19³⁰ Registration of participants at the ŽSR Regional Directorate Žilina, 1. Mája str. N^o 34, Žilina

November 9, 2016

from 7³⁰ Registration of participants at the GAMA Club (University Campus - block G-H)

9¹⁵ - 9⁴⁵ OPENING CEREMONY, FESTIVE ADDRESSES

9⁴⁵ - 10⁰⁰ BREAK

10⁰⁰-11⁰⁰ LECTURES

MATEJOV Ladislav, Ing., Headquarters of ŽSR, Bratislava, Slovakia
Track machinery ZSR - now - then

MARUSIČOVÁ Danuše, Ing., ACRI, Prague, Czech Republic
Track machines - conditions for their efficient use

ZIVKOVIC Dragan, Plasser & Theurer, Vienna, Austria
Innovative developments implemented by Plasser & Theurer

11⁰⁰-11¹⁵ DISCUSSION

11¹⁵-11⁴⁰ COFFEE BREAK

11⁴⁰-12⁴⁰ LECTURES

BADO Peter, Ing., GJW Praha s.r.o., Czech Republic

Two-way welding truck DAF CF 440 TWT

VOLTNER Jaroslav, ŠIROKÝ Michal, DiS, KUBRT Petr, Ing., PIRELL s.r.o., Česká Třebová, Czech Republic

Experience from the operational verification technology for butt-melting rail welding by mobile welding machine APT 1500RL – robotized unit

GOLOLOBOV Jurij, Ing., NĚMEC Josef, Ing., Aurora Engineering, s.r.o., Prague, Czech Republic

Protective sub-ballast layers reinforced by geocells. Machines for track renewal with installation of geosynthetics

12⁴⁰-12⁵⁵ DISCUSSION

12⁵⁵-14¹⁵ LUNCH

14¹⁵-15³⁵ LECTURES

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

Auxiliary technological devices for universal motor vehicle MUV-extension of useful qualities

HLUBUČEK Jiří, PISKORZ Petr, Ing., KOEXPRO OSTRAVA, a.s., Czech Republic

Equipment and Devices for Building and Maintenance of Railways

SILOVSKÝ Josef, Railway Infrastructure Administration, s.o., Prague, Czech Republic

Experience in the operation on track machines MUV 74.2

ŠTĚPÁNEK Jiří, Ing., RULC Milan, Ing., SVĚRÁK Luboš, Ing., CZ LOKO a.s., Česká Třebová, Czech Republic

Vehicles MVTV 2.3 and WŽB 10.1-M

15³⁵-15⁵⁵ DISCUSSION

15⁵⁵-16¹⁵ COFFEE BREAK

16¹⁵-17⁰⁰ PRESENTATION OF COMPANIES:

EC Test Systems Sp. z o.o., Kraków, Poland

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

SENSIT s.r.o., Rožnov pod Radhoštěm, Czech Republic

TC Inter - Informatics, spol. s r.o., Považská Bystrica, Slovakia

HMH, s.r.o., Bratislava, Slovakia

17⁰⁰-18³⁵ LECTURES

SIKORA Radomil, RMT, s.r.o., Paskov, Czech Republic

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

FIŠEROVÁ Věra, Ing., Ph.D., Solid Vision s.r.o., Prague, **HAVLÍČEK Petr, Ing., Ph.D.**, DT - Výhybkárna a strojírna a.s., Prostějov, Czech Republic, **NAVRÁTIL Petr, Ing.**, DT - Slovenská výhybkáreň, s.r.o., Nové Mesto nad Váhom, Slovakia

3D scanner for inspection

VLK Lukáš, ROSTE TRADE, s.r.o., Prague, Czech Republic

Non-contact laser profile measurement device CALIPRI

PALAŠČAK Jiří, Ing., SŽDC s.o. - TÚDC Olomouc, Czech Republic

Experience with the use of the scanner CALIPRI

PIŠTĚK Lumír, Ing., MESIT aerospace, s.r.o., Uherské Hradiště, Czech Republic

Electronic recording devices TT-43 and TT-62, example of application for rail vehicles, their benefits for traffic safety

18³⁵-18⁵⁰ DISCUSSION

19⁰⁰ EVENING RECEPTION

November 10, 2016

8³⁰- 10¹⁰ LECTURES

KRULIKOVSKÝ Ondřej, Ing., The Prague Public Transport Company, a.s., Czech Republic

Establishment of systemic grinding of rails and switches in Prague underground

MALINČÍK Stanislav, doc. Ing., PhD., Faculty of Mechanical Engineering, University of Žilina, Slovakia

Thawing of switches

JELÉNEK Jiří, Ing. VÚKV a.s., Prague, Czech Republic

The assessment of the changes made on the special railway vehicle (Railbound construction and maintenance machine) – the connection with CSM-RA process

URDA Ján, Ing., ŽSR, Railway Research and Development Institute, Žilina, **MANDULA Ján, doc. Ing., PhD.**, Faculty of Civil Engineering, Technical University of Košice, Slovakia

Diagnostics of rail road of Slovak Railways

VYSKOČ Peter, Ing., **TSS GRADE, a.s.**, TSS GRADE, a.s. Slovakia, **BÉLI János, Ing.**, MÁV KFM kft, Budapest, Hungary

Development of rail diagnostic inspection devices and methods

DUOTOUR, travel agency

013 22 ROSINA 405, county ŽILINA

tel.: ++421 904 692 592 E-mail: 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	70 €
double room	101 €

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 €
double room LUX	99 €

Hotel SLOVAKIA* Žilina**

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

Price (accommodation including breakfast):

single room	31 €
double room	52 €

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 2016

Dear ladies and gentlemen,

We are preparing the 21st International Seminar „Track Maintenance Machines in Theory and Practice - SETRAS 2016", which will take place in the University of Žilina in November 9 - 10, 2016. Usually about 180 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	90 €
two color page	145 €
full color page	220 €.

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	80 €,
Exhibition of your own panel	50 €,
Free exhibition area	50 €/1 m ² .

If you are interested in advertising of your company in the Seminar SETRAS 2016, please fill in enclosed order and send it (including prepared advertisement) **no later than on September 26, 2016** 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.

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 2016 till the end of November 2016.

Please fill in and send to the following address

not later than October 10, 2016

prof. Ing. Daniel KALINČÁK, PhD.

VTS pri ŽU

Univerzitná 1

010 26 ŽILINA, SLOVAKIA

OBLIGATORY APPLICATION

I confirm my attendance at the 21st International Seminar „**Track maintenance machines in theory and practice - SETRAS 2016**“, which will take place on November 9 - 10, 2016 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 5,50 €):

on November 9, 2016: **yes no**,

on November 10, 2016: **yes no**.

I will participate in Evening Reception on November 9, 2016 (price 8 €): **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 8, 2016 November 9, 2016**.

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.

APPLICATION FOR THE ACCOMMODATION IN HOTEL:

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 20, 2016** the latest to the address:

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

E-mail: ckduotour@gmail.com

In Date

.....
signature and stamp

Send the filled in Order form **until September 26, 2016** 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 2016 in following extent:

. . . . pages of black&white advertisement (90 € per page),

. . . . pages of two color advertisement (145 € per page),

. . . . pages of full color advertisement (220 € 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 26, 2016** 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) (80,- €),

. . . panel(s) (80,- €),

. . . exhibition of our own panel(s) (50,- €),

. . . free exhibition area (50,- € per 1 m²).

Date: Signature:

Remarks: