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Scientific and Technical Society at the University of Žilina  
and  
the Railways of Slovak Republic (ZSR)



Invitation for 16<sup>th</sup> International Seminar

## TRACK MAINTENANCE MACHINES IN THEORY AND PRACTICE



Patrons of the Seminar

Rector of the University of Žilina  
Prof. Ing. Jan BUJNAK, PhD.

and

Director General of ZSR  
Ing. Stefan HLINKA

September 30 and October 1, 2009

ZILINA, SLOVAKIA

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### PROGRAMME AND ORGANIZING COMMITTEE:

**Juraj ANTAL**, ZelRail, Ltd., Martin, SK  
**Daniel BOHAC**, MTH Renova, Ltd., Kosice, SK  
**Miroslav DURKOVSKY**, Railway institute for research and development, Zilina, SK  
**Tomas DZUGAN**, Rail Servis Slovakia, Ltd., Martin, SK  
**Juraj GERLICI**, Faculty of Mechanical Engineering of UZ at Zilina, SK  
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**Jiri PALASCAK**, Railway Infrastructure Administration, s.o., TUDC Olomouc, CZ  
**Janka SESTAKOVA**, Faculty of Civil Engineering of UZ at Zilina, SK

**Chairman of Committee: Daniel KALINCAK**, Department of Transport and Handling Machines, FME, UZ, Univerzitna 1, 010 26 ZILINA, SLOVAKIA. Tel.: +421 41 513 2650, Tel./Fax: +421 41 5254 440, 5253 016, Mobil: +421 907 586005, e-mail: [daniel.kalincak@fstroj.uniza.sk](mailto:daniel.kalincak@fstroj.uniza.sk).

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### ORGANIZATIONAL INSTRUCTIONS

< **PLACE OF THE SEMINAR:** The lectures of the Seminar will be held in the University Campus, Block G-H (GAMA Club) Vysokoskolakov street 20 at Velky diel, in Zilina, Slovakia.

< **TRANSPORT:** From railway station - trolleybuses N<sup>o</sup> 1, 6 or 14 - direction Vlcince housing estate - see the enclosed map and <http://www.dpmz.sk/>.

< **REGISTRATION:** on 29<sup>th</sup> September 2009 16<sup>00</sup> - 19<sup>30</sup> at the building of the Regional directorate of ZSR, 1. Maja str., N<sup>o</sup> 34  
on 30<sup>th</sup> September 2009 from 7<sup>30</sup> at the GAMA Club, University Campus, block G - H.

< **PARTICIPATION FEE:** 55 € (for one of authors only 35 €) covers the registration, proceedings and refreshment.

< **BOARDING:** It is possible to order lunches (5 € each) and evening reception at September 30 (6 €).

< **ACCOMMODATION:** It is possible to book accommodation at DUOTOUR Travel Agency, Sladkovicova str. N<sup>o</sup> 13, 010 01 Zilina, Slovakia, tel./fax: +421(41) 5624 424, e-mail: [duotour@nexta.sk](mailto:duotour@nexta.sk) (see enclosed leaflet) or individually (<http://www.slovakiahotels.sk>, <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 (65 € or for one of authors 45 €). Payment by credit card cannot be accepted at the registration desk.

#### Please pay in our favour:

Beneficiary: VTS pri Zilinskej univerzite v Ziline, Univerzitna 1, 010 26 Zilina, Slovakia

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Please, send your application till the 4<sup>th</sup> September 2009 to the address:

Daniel Kalincak

VTS pri ZU v Ziline

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**BENO Stanislav, SOSKA Anton, ZAKOVA Renata**, ZSR Bridge Division in Bratislava, Slovakia

Buffer-stop type MO.

**GERLICI Juraj, LACK Tomas**, FME University of Zilina, Slovakia  
Parameters describing the track curve wheelset transition.

**LACK Tomas, GERLICI Juraj**, FME University of Zilina, Slovakia  
HHT method refinement for the mechanical systems equipped with nonlinear members dynamics evaluation.

11<sup>20</sup>-11<sup>40</sup>

## DISCUSSION

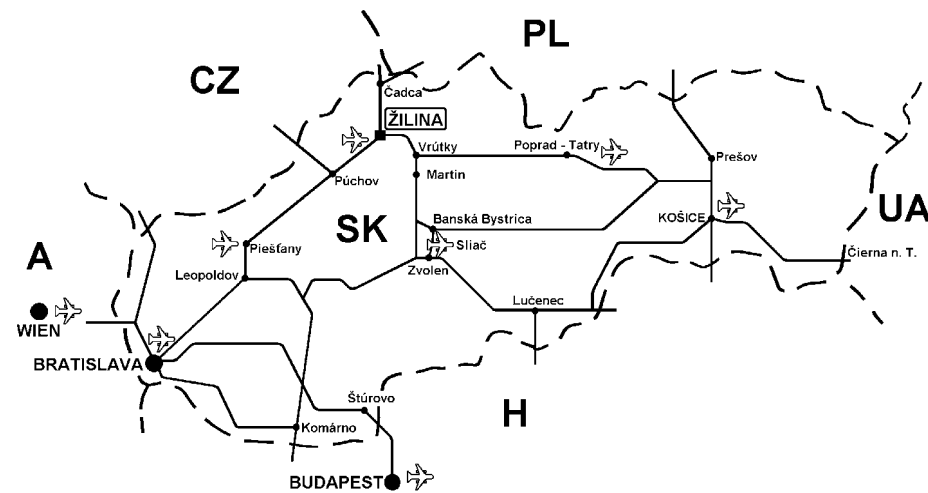
11<sup>40</sup>-11<sup>50</sup>

## CLOSING ADDRESSES

12<sup>50</sup>

Supposed departure of the train for exhibition ZEL-RAIL 2009 in Vrútky from Railway station of Zilina.

Lunch will be served at exhibition site.



## PROGRAMME OF THE SEMINAR

### September 29, 2009

16<sup>00</sup>-19<sup>30</sup> Registration of participants at the ZSR Regional Directorate Zilina, 1. Maja str. N° 34, Zilina

### September 30, 2009

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

9<sup>15</sup> - 9<sup>40</sup> **OPENING CEREMONY, FESTIVE ADDRESSES**

9<sup>40</sup> - 10<sup>00</sup> **BREAK**

10<sup>00</sup>-10<sup>55</sup> **LECTURES**

**DURKOVSKY Miroslav**, Railway institute for research and development, Zilina, Slovakia

Introducing and sustainability of interoperability requirements on ZSR railway network.

**URDA Ján**, Railway institute for research and development, Zilina, Slovakia

Revision of standard STN 73 6360 in relation towards of EU standards.

**URDA Ján, DURKOVSKY Miroslav**, Railway institute for research and development, Zilina, Slovakia

Gauge problematics from point of view of obstacle gauge and interaction of vehicle and infrastructure.

10<sup>55</sup>-11<sup>10</sup> **DISCUSSION**

11<sup>10</sup>-11<sup>30</sup> **COFFEE BREAK**

11<sup>30</sup>-12<sup>40</sup> **LECTURES**

**GOCALOVA Zuzana, SESTAKOVA Janka**, Faculty of Civil Engineering of UZ at Zilina, Slovakia

Alternative building technologies for modernisation of railway tracks.

**SOBOTKOVA Radka, KANTUREK Tomislav**, INFRAM, j.s.c., Praha, Czech Republic

Maintenance of track foundation (substructure) using technology without carrying down the rail grid, new machinery line PM 1000-URM.

**VENÄLÄINEN Einari**, DESEC Ltd., Parkano, Finland

Comprehensive and prompt solution to replace turnouts.

**BADO Peter**, GJW Prague Ltd., Czech Republic  
Experiences with utilisation of sleeper handling portal crane PTH 350 on Czech and Slovak railways.

12<sup>40</sup>-12<sup>55</sup> **DISCUSSION**

12<sup>55</sup>-14<sup>00</sup> **LUNCH**

14<sup>00</sup>-15<sup>10</sup> **LECTURES**

**KOVALICEK Radek**, LIEBHERR-STAVEBNI STROJE CZ, Ltd., Popovky u Brna, Czech Republic  
Railroader LIEBHERR A 900 C ZW.

**KORECZ Kamil**, SaZ Invest, Ltd. Vrutky, Slovakia  
Road/rail vehicles brakes calculations.

**HARASTA Stanislav**, ZSR Bratislava, Slovakia  
Project for optimization of road vehicles and rail mechanization at ZSR.

**TUREK Josef**, **SVEJKOVSKY Martin**, Commercial Railway Research, Ltd., Praha, Czech Republic  
The mission of MMD draisine at Gabon.

15<sup>10</sup>-15<sup>30</sup> **DISCUSSION**

15<sup>30</sup>-15<sup>50</sup> **COFFEE BREAK**

15<sup>50</sup>-16<sup>50</sup> **PRESENTATION OF COMPANIES:**

NOPO Engineering, Ltd., Hradec Kralove, Czech Republic  
Viamont DSP, j.s.c., Usti nad Labem, Czech Republic

16<sup>50</sup>-17<sup>00</sup> **BREAK**

17<sup>00</sup>-18<sup>10</sup> **LECTURES**

**DAVID Petr**, **VEIS Roman**, **REICH Borivoj**, Tratova strojní společnost, j.s.c., Hradec Kralove, Czech Republic  
Tratova strojní společnost, a.s., new investments, technical and technological description of ASP 09 3X.

**LIBERTIN Alexandr**, Railway Infrastructure Administration, State organization, Prague, **KRUPA Petr**, Railway Infrastructure Administration, State organization, SDC Olomouc, Czech Republic  
Experiences with further use of special vehicle DGKu after reconstruction.

**JELENEK Jiri**, VUKV j.s.c., Praha, Czech Republic  
Railbound construction and maintenance machines - testing and assessment in VUKV a.s. Prague in the time period of 2003 - 2009.

**JASUREK Jan**, Rail Servis Slovakia, Ltd., Martin, Slovakia  
Rail drilling machine VK-08.

18<sup>10</sup>-18<sup>30</sup> **DISCUSSION**

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

## October 1, 2009

8<sup>00</sup>- 9<sup>10</sup> **LECTURES**

**FURIEL Anton**, TAVROS, j.s.c., Zilina, Slovakia

Experiences from using of the set type 66.1 for heating of the rails.

**MATUSIK Vladimir**, VUD j.s.c., Zilina, Slovakia

Development of a harmonised system for education, qualification and certification of railway track welders. Introduction to RAILS SAFE 2. Arc welding.

**NEMEC Josef**, **ULIARCZYK Augustin**, Endeavour Ltd., Praha, Czech Republic

Working and running modes of track machines.

**MASA Jaromir, A.**, **POPOV Alexandr**, STARMANS electronics Ltd., Praha, Czech Republic

Rail testing by ultra-sound, novelties.

9<sup>10</sup>- 9<sup>30</sup> **DISCUSSION**

9<sup>30</sup>- 9<sup>50</sup> **COFFEE BREAK**

9<sup>50</sup>-11<sup>20</sup> **LECTURES**

**DAVID Petr**, **VOLEK David**, **BOSAK Daniel**, Tratova strojní společnost, j.s.c., Hradec Kralove, Czech Republic

Repair works, product base of Tratova strojní společnost, j.s.c.

**BENO Stanislav**, **SOSKA Anton**, ZSR Bridge Division in Bratislava, **JAKUBEC Vladimir**, ZSR Design Centre Kosice, Slovakia

The first Slovak railway's prototype of the temporary bridge for loading by train UIC-71.

# DUOTOUR, travel agency

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offers and secures board accommodation in hotels:

## **Hotel DUBNÁ SKALA\*\*\*\* Žilina**

New hotel in the city center above supermarket TESCO.

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

single room	126 €
double room	150 €

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

Known as hotel Polom was reopened in March 2007 (fully refurbished). Hotel is situated in the town city centre.

**Price (accommodation incl. breakfast, welcome drink, sauna + hydromasaage in every room, internet):**

single room	84 €
double room	121 €

## **Hotel BOSS\*\*\*\* Žilina**

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

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

single room	76 €
double room	116 €

## **Hotel SLOVAKIA\*\*\* Žilina**

- is situated in the town centre.

**Price (accommodation including breakfast):**

single room	42 €
double room	65 €

## **Hotel GRAND\*\*\*+ Žilina**

- is situated in the historical town centre.

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

single room LUX	85 €
double room LUX	120 €

## **Hotel SLOVAN\*\*\* Žilina**

- is situated in the town centre, near the TESCO supermarket.

**Price (accommodation including breakfast):**

single room	57 €
double room	80 €

## **Hotel GALILEO\*\*\* Žilina**

The newest hotel in Žilina located nearby the University campus in residential district Žilina-Hliny.

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# SETRAS 2009

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Univerzitná 1, SK - 010 26 ŽILINA  
SLOVAKIA

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We will deliver needed texts and pictures of the advertisement **untill August 28, 2009** and we will pay the invoice for the advertisement immediately after its receiving.

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

Remarks:



Dear ladies and gentlemen,

We are preparing the 16<sup>th</sup> International Seminar „Track Maintenance Machines in Theory and Practice - SETRAS 2009", which will take place in the University of Žilina in September 30 and October 1, 2009. 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:

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010 26 ZILINA  
SLOVAKIA

Tel.: (+421 41) 513 2650, Tel./Fax.: (+421 41) 5254 440, 5253 016, e-mail: [daniel.kalincak@fstroj.uniza.sk](mailto:daniel.kalincak@fstroj.uniza.sk).

Invoice will be send to you immediately after receiving your order of advertisement. If you will order advertisement, we will send to you one free copy of Proceedings of Seminar SETRAS 2009 till the end of November 2009.



Please fill in and send to the following address  
not later than **September 4, 2009**  
prof. Ing. Daniel KALINCAK, PhD.  
VTS pri ZU  
Univerzita 1  
010 26 ZILINA  
SLOVAKIA

### OBLIGATORY APPLICATION

I confirm my attendance at the 16<sup>th</sup> International Seminar „Track maintenance machines in theory and practice - SETRAS 2009“, which will take place on September 30 and October 1, 2009 at the University of Zilina.

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 €):

on September 30, 2009: **yes** **no**,  
on October 1, 2009: **yes** **no**.

I will participate in Evening Reception on September 30, 2009 (price 6 €): **yes** **no**.

I have paid participation fee by remittance to account N° 76511456/0900 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 arrival and registration on: **September 29, 2009** **September 30, 2009**.

### APPLICATION FOR THE ACCOMMODATION IN HOTEL:

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**E-mail: duotour@nextra.sk**

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

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

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signature and stamp

*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.*