



Government of the Republic of Serbia



Republic of Serbia
Ministry of Transport
Ministry of Interior



**M O D E R N
R O A D
M A I N T E N A N C E**

FIRST INTERNATIONAL SCIENTIFIC PROFESSIONAL CONFERENCE
Arandelovac, Serbia November 7-9, 2013



PUBLIC ENTERPRISE
ROADS OF SERBIA



REPUBLIC OF SERBIA
Association of Road Industry Employers
„Putar“

Conference

Supported by the Ministry of Transport of the Republic of Serbia, Association of Road Industry Employers "Putar" and the PE "Roads of Serbia" are organizing the First International Scientific Professional Conference titled "Modern Road Maintenance", from November 7th to 9th, 2013 at the Izvor Hotel in Arandjelovac, Serbia. The Conference is oriented towards road maintenance, rehabilitation, upgrade and expansion of the road network with the goal to stimulate economic recovery, growth promotion and support to social cohesion. The underlying idea is that the Conference should consider not only the region's crucial present needs for infrastructure, but also the future developmental needs.

Objective

Provision of stable source of financing which will enable the maintenance of I and II category state roads, preservation of their value and primarily the upgrade of traffic safety.

Special aspects

Regional cooperation for the delegations of the ministries will deal with the topics concerning the improvement of regional cooperation and traffic flow on border crossings. Expected results of the Conference are: higher degree of mutual understanding necessary for the upgrade on the regional level, higher efficiency regarding the coordination on global level, expansion of knowledge and positive experience in the region.

Participants

Target group consists of the ministers and government officials of the countries in the region, international financiers, experts, investors, consultants, local self-governments, conference of towns, scientists, professors and all persons interested in economic prosperity of South East Europe.

Main topics

- Condition of the road network in the Republic of Serbia, proposal of improvements and sustainable financing
- Impact of roads maintenance on traffic safety
- Maintenance of the road network in the Republic of Serbia (Integrated road information systems)
- Roads and environment protection

Working language

The working language is Serbian with simultaneous translation to/from English.

Honorary Board

- Minister of Transport, Aleksandar Antić
- Minister of Construction and Urban Planning, Velimir Ilić
- Minister of Regional Development and Local Self-Government, Igor Mirović
- Minister of Finance, Lazar Krstić
- Minister of Economy, Saša Radulović
- Vice President of the EC, Siim Kallas
- Ambassador of the Delegation of the EU to the Republic of Serbia, Michael Davenport
- Ministers of Transport from the neighboring countries
- SANU, Nikola Hajdin, prof. Ph.D.
- Rectors of the University of Belgrade, Niš and Novi Sad: Vladimir Bumbaširević, Dragan Antić, Miroslav Vesković
- Deans of the Faculty of Civil Engineering and Faculty of Transport and Traffic Engineering, Universities of Belgrade, Niš and Novi Sad: Dušan Najdanović, Petar Mitković, Miroslav Bešević
- Dean of the Faculty of Transport and Traffic Engineering, University of Belgrade, Branimir Stanić

Organizational Board

- Ministry of Transport, State secretary Miodrag Poledica
- Minister of Construction and Urban Planning, State secretary Miodrag Jocić
- Acting Director General of the PE "Roads of Serbia", Zoran Drobnjak
- President of the PE "Roads of Serbia" Supervisory Board, Prof. Milan Vujanić, PhD
- Head of Traffic Police Department, general Dragiša Simić
- EBRD, Mateo Patrone, Director for Serbia
- Head of the World Bank Country Office in Serbia, Tony Verheijen
- Serbian Chamber of Commerce, Vice President, Velibor Sovrović
- The Serbian Chamber of Engineers, Milovan Glavonjić
- Faculty of Civil Engineering, Skoplje, Radojka Dončeva, PhD
- Faculty of Traffic Engineering, Sarajevo, Džafer Kudumović, PhD
- Engineers Chamber of Montenegro, Dušan Kokić
- Corridors of Serbia, Dmitar Đurović
- The Road Association of Serbia "Via-Vita", Vice President, Biljana Vuksanović
- Prof. Milenko Dželetović, PhD
- Prof. Aleksandar Cvetanović, PhD
- Director of AD Novi Pazar - Put, Izet Ljajić
- President of the Association "Putar", Milan Bojović

Technical Board

- Director of the Sector for Maintenance of I and II Category State Roads, PE "Roads of Serbia", Zoran Stojisavljević
- Ministry of transport, Department of Roads and Transport Safety, Head of the Department, Momir Kočović
- Faculty of Civil Engineering, University of Belgrade, Popović Zdenka, PhD
- Faculty of Civil Engineering, University of Belgrade, Ass. Prof. Goran Mladenović, PhD
- Faculty of Civil Engineering, University of Belgrade, Ass. Prof. Dejan Gavran, PhD
- Director of The School of Higher Technical Professional Education, Niš, Dejan Blagojević
- The School of Higher Technical Professional Education, Niš, Dragan Perić, MSc
- Faculty of Technical Sciences, Novi Sad, Đorđe Uzelac, PhD
- Director of the Road Traffic Safety Agency, Stojadin Jovanović
- Director of the "Highway Institute", Ivan Tejić
- Director of Vojvodinaput, Novi Sad, Marko Cigić
- Prof. Jovan Gorčić, PhD Emeritus
- PE "Roads of Serbia", Head of the Department for Public Relations, Ljerka Ibrović
- Director General of "Srbijaput", Dragan Vujnović

Papers:

Professional and technical support: The School of Higher Technical Professional Education, Niš

Abstracts and papers should be delivered to:

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Instructions for authors/speakers: www.sop.rs,
www.putar.rs, www.putevi-srbije.rs

Registration Fee:

1. 5,000 RSD / domestic participants
2. 50 EUR / foreign participants

Registration fee includes participation at the conference, accompanying material, coffee breaks, one lunch and one gala dinner.

Technical Exhibition

Technical exhibition will be held during the conference. Each exhibitor will have 15m² of available space at the price of 55,000.00 RSD /domestic participants or 500 EUR / foreign participants.

FINAL AGENDA

Thursday, November 07th

15:00 -19:00 **Arrival and registration**

Friday, November 08th

10:30 -11:00 **Conference opening and welcome speeches**

11:00 -12:00 **Road network condition in the Republic of Serbia, proposals for improvement and sustainable financing**

Opening presentations:

- Prof. Aleksandar Cvetanović, PhD, *Road management and financing in the Republic of Serbia*
- Pavle Hevk, Directorate of the Republic of Slovenia for Roads, Slovenia: *Routine maintenance of state roads in the Republic of Slovenia*
- Slavoljub Tubić, PE „Roads of Serbia“: *Dumping prices when implementing tenders*

12:00 -14:00 **Round table**
Moderator Dragan Vujnović, Secretary General, “Putar“ Association

14:00 -14:30 **Coffee break**

14:30 -15:00 **Press Conference**

15:00 -16:00 **Lunch**

16:00 -17:30 **Road maintenance impact on traffic safety**
Moderator Dragan Perić, SHTPE, Niš

- Dragan Mihajlović, SAFEGE, Republic of Srpska: *Effectiveness of road maintenance models*
- Mirsada Uglić, Sead Mujović, Nermin Ljajić, PLC “Novi Pazar – Put”, Serbia: *Condition of the road network maintained by PLC “Novi Pazar – Put” with reference to the Decree on state roads classification*
- Filip Trpčevski, Sanja Fric, Vladan Ilić, Faculty of Civil Engineering, University of Belgrade, Serbia: *Three-dimensional optical control of road alignment*
- Dragan Perić, Nenad Stojković, Boban Cvetanović, SHTPE, Niš, Serbia: *Snowdrift protection on roads in winter period*
- Sanja Fric, Vladan Ilić, Filip Trpčevski, Faculty of Civil Engineering, University of Belgrade, Serbia: *Upgrade of traffic safety on two-lane rural roads through rehabilitation project*
- Dejan Gavran, Faculty of Civil Engineering, University of Belgrade, Serbia: *Road visibility controls*

- Đorđe Vranješ, Branimir Miletić, Traffic Safety Agency, Serbia: *Procedures for traffic safety upgrade – international experience, practice and amendments to the Law on Road Traffic Safety*
- Veljko Papić, Aleksandar Tešić, Branko Kovačević, Faculty of Electrical Engineering, University of Belgrade, Serbia: *Traffic optimization algorithms*

17:30 -18:00 **Discussion**

21:00 **Gala Dinner**

Saturday, November 09th

10:00 -11:30 **Road network maintenance in the Republic of Serbia
(Integrated Road Information Systems)**
Moderator Ertan Ljajić, PLC "Novi Pazar – Put"

- Frane Franičević, RASCO Ltd, Croatia: *“Advanced road management system in summer and winter road maintenance-Arms“ (Advanced road management system)*
- Ertan Ljajić, PLC “Novi Pazar – Put”, Serbia: *ERP and Geographic Informational System in road maintenance*
- Zoran Pešović, Nenad Acimović, PE “Roads of Serbia”: *Role and function of Road Weather Information System (RWIS) in routine road maintenance in the Republic of Serbia*
- Bojan Matić, Nebojša Radović, Đorđe Uzelac, Danka Matić, FTS Novi Sad, Serbia: *Pavement temperature models for optimal winter maintenance in Serbia*
- Izet Ljajić, Ertan Ljajić, Senad Ibragić, Fatima Ramović, PLC "Novi Pazar – Put", Serbia: *Winter road maintenance from 1962 to 2012*
- Bart Habers, Graphics & Reflective Products Division / Boja Ltd, the Netherlands: *PPT presentation*
- Ilkić Dušan, Dijana Petrović, Ivana Andrijanić, Stefan Stanković, PE “Roads of Serbia”, Serbia: *Integrated information, geoposition, management and operation system in the PE “Roads of Serbia”*

11:30 -12:00 **Coffee break**

12:00 -13:30 **Roads and the environment**
Moderator Đorđe Mitrović, PE “Roads of Serbia”, Belgrade

- Boban Cvetanović, SHTPE, Niš, Serbia: *Assessment of exposure of a vibratory roller operator to vibrations*
- Nebojša Čubrilo, Marko Mladenović, PE "Roads of Serbia", Srbijaautoput, Serbia: *Reconstruction of intersections without traffic signals for environment purposes*
- Srećko Brkić, Bojan Brkić, Đorđe Mitrović, “Petrel tehnologija“, Highway Institute, PE "Roads of Serbia": *Mechanical water purification device*
- Vladan Ilić, Sanja Fric, Filip Trpčevski, Faculty of Civil Engineering, University of Belgrade, Serbia: *Structural measures for drainage system improvement on the E-75 motorway*
- Marko Orešković, Goran Mladenović, Faculty of Civil Engineering, University of Belgrade, Serbia: *Asphalt mixture resistance with the addition of reclaimed asphalt to permanent deformation*
- Petar Đekić, Biljana Milutinović, Nenad Stojković, SHTPE, Niš, Serbia: *Using recycled rubber in manufacturing traffic signs and road markings*

13:45 **Lunch**

Note: *Presentation time is ten minutes. PPT presentations are preferred.*