

**PROGRAM
OF THE XVth
NATIONAL ROAD AND BRIDGE CONGRESS
IAȘI, SEPTEMBER 19th-22nd 2018**

Wednesday, September 19th 2018

12:00-18:00	Participants' registration (2nd floor Palas Mall)
18:00-19:00	Opening of the technical exhibition (Atrium Hall, Palas Mall, level -1)
19:30-23:00	Welcoming cocktail (Chopin & Vivaldi Halls, 2nd floor Palas Mall)

Thursday, September 20th 2018

8:00-9:00	Participants' registration (Rossini & Verdi Halls, Palas Park)
9:00-10:45	Opening of the congress. Messages, General Reports of the Strategic Themes (Rossini & Verdi Halls, Palas Park)
	Presentation of the ST 1 report: prof.dr.eng. Gheorghe LUCACI
	Presentation of the ST 2 report: conf.dr.eng. Valentin ANTON
	Presentation of the ST 3 report: conf.dr.eng. Gavril HODA
10:45-11:15	Poster session (Atrium Hall, Palas Mall)
	Coffee break
11:15-12:30	Presentation session ST 1 – Sustainable road infrastructure (Rossini & Verdi Halls, Palas Park)

Chairman: assist.prof.dr.eng. **Corina CHIOTAN**

- 1.** Calibration and refining the methodology for assessing the technical condition of bridges – Cristina Romanescu, George Istrate, Ana-Maria Beșliu (CESTRIN)
- 2.** Structural response to the dynamic action of the mixed steel-concrete bridge – Maria Cristian Scutaru, Cristian-Claudiu Comisu, Nicolae Țăranu, Gheorghiuță Boacă (Iasi Technical University "Gheorghe Asachi")
- 3.** Development of modern systems for composite bridges in Romania – Elena Metes, (SSF-RO S.R.L.), Dragoș Alupoae (C.N.A.I.R.), Guido Retter (SC RETTER PROJECTMANAGEMENT SRL), Sergiu Enache, Edward Petzek (SSF-RO S.R.L.)
- 4.** Counter-deformation of the bridge superstructure – Victor Popa (ASTR, CNCisC)

5. ViaCon Romania solutions for bridges, culverts and road passages - between innovation and performance – Mircea Hincu (VIACON Romania)

- Debates for ST 1.

12:30-14:00 Lunch at the hotel where you are accommodated

14:30-16:00 **Presentation session ST 1 – Sustainable road infrastructure (Rossini & Verdi Halls, Palas Park)**

Chairman: prof.dr.eng. **Carmen RACANEL**

Presentation of works:

- 1.** Asphalt mixtures with blast furnace slag and crumb rubber – Roxana Ungureanu (CESTRIN), ing. Georgeta Grîsîc (CESTRIN), Carmen Răcănel, Mihai Dicu (Bucharest Technical University of Constructions)
- 2.** Civil Site Design software and road designing - Peter Bloomfield (Civil Survey Solutions Australia), Florin Balcu, Nicoleta Poenaru (Australian Design Company Romania)
- 3.** Efficiency of the maintenance activity for local public roads - Andrei Ababii (CT Hydrotechnical, road and special constructions), Andrei Cuculescu (State Road Administration of Moldova Republic)
- 4.** Determining the state of degradation of the street network using the E.S.T.S. software - Mihai Dicu (Bucharest Technical University of Constructions), Flavius Pavăl (C.N.A.I.R.)

- Debates for ST 1;

16:00-16:30 **Poster session (Atrium Hall, Palas Mall)**

Coffee break

16:30-18:00 **Presentation session ST 1 – Sustainable road infrastructure (Rossini & Verdi Halls, Palas Park)**

Chairman: prof.dr.eng. **Florin BELC**

Presentation of works:

- 1.** Techniques and technologies for the improvement of poor foundation soils - Oana Colț, Irina Lungu (Iasi Technical University "Gheorghe Asachi"), Ovidiu Laicu (D.R.D.P. Iași), Anghel Stanciu (Iasi Technical University "Gheorghe Asachi")
- 2.** Numerical modeling of the system embankment - reinforced soil through stabilized soil columns - Claudiu Popa (Iasi Technical University "Gheorghe Asachi"), Andreea Bitir (Proexrom SRL Iași), Vasile Mușat (Iasi Technical University "Gheorghe Asachi")
- 3.** Paths to successful road structures - Bernhard Hofko (TU Wien, Institute of Transportation)
- 4.** Modeling of road pavement taking into account thermo--physical properties of the bituminous concrete layer - Paul Marc, Gheorghe Lucaci, Andrei Forton, Alin Buzuriu, Anda Ligia Belc (Timisoara Polytechnic University)

5. Use of efficient asphalt mixes in road structures on heavy traffic roads - Ana-Maria Cristache, Carmen Răcănel, Adrian Burlacu (Bucharest Technical University of Constructions)

- Debates for ST 1;

19:30-23:00

Official dinner (Chopin & Vivaldi Halls, 2nd floor Palas Mall)

Friday, September 21st 2018

9:00-10:45

Presentation session ST 2 – Mobility, traffic and road safety (Rossini & Verdi Halls, Palas Park)

Chairman: eng. **Cristian ANDREI**

Presentation of works:

1. Paradigm changes in assessing urban transport demand and forecasting - Cristian Toşa (Cluj-Napoca Technical University)
2. Civil Site Design software and road safety - Shane O'Rorke (Civil Survey Solutions Australia), Florin Balcu (Australian Design Company Romania), Răzvan Câmpean (Via Logiq)
3. Designing road safety features taking into account their impact on traffic and the environment - Andrei Florin Clitan, Gavril Hoda (Cluj-Napoca Technical University)
4. Modern traffic management solutions and user safety of road transport infrastructure – Ion Dedu (Swarco Traffic Romania)
5. Behavior of natural hazards protection systems over time – Dorin Vasile Moldovan (Cluj-Napoca Technical University)

- Debates for ST 2.

10:45–11:15

Poster session (Atrium Hall, Palas Mall)

Coffee break

11:15-12:30

Presentation session ST 2 – Mobility, traffic and road safety (Rossini & Verdi Halls, Palas Park)

Chairman: eng. **Cristian ANDREI**

Presentation of works:

1. Increasing traffic safety through the use of a traffic signaling management system - Mihail Gabriel Toma (C.N.A.I.R.), Flavius Pavăl (C.N.A.I.R.), Mihai Dicu, Valentin Anton (Bucharest Technical University of Constructions)
2. Factors that influence the road safety of the road network - Cristian Andrei, Flavius Pavăl (C.N.A.I.R.)
3. Considerations regarding the evolution of road traffic on the national road network and highways in Romania - Robert Adrian Sandu, Carmen Răcănel (Bucharest Technical University of Constructions)
4. Integrated road safety management of existing roads in Moldova Republic: from data collection to treatment and assessment - Ilie Bricicaru (Technical University of Moldova)

- Debates for ST 2.

12:30-14:30

Lunch at the hotel where you are accommodated

14:30-16:00

Presentation session ST 3 – Environment and climate change (Rossini & Verdi Halls, Palas Park)

Chairman: prof.dr.eng. **Mihai ILIESCU**

1. Replacing the limestone filler with a filler from waste process of soda industry in ecological asphaltic mixture - Cătălina Lixandru (CESTRIN), Mihai Dicu (Bucharest Technical University of Constructions), Georgeta Grîsîc (CESTRIN), Bogdan Andrei (Proex Construct)
2. Quantitative assessment of carbon emissions and energy consumption related to the various intervention strategies - Mihaela Condurat (D.R.D.P. Iasi)
3. Exploratory analysis of environmental pollution from transport activity using spatial statistics - Petru Maran, Rodica Cadar, Melania Boitor (Cluj-Napoca Technical University), Marius Burduhos (MOS Association), Mihai Dragomir (Cluj-Napoca Technical University)

- Debates for ST 3.

16:00-16:30

Poster session (Atrium Hall, Palas Mall)

Coffee break

16:30-18:00

Presentation session ST 3 – Environment and climate change (Rossini & Verdi Halls, Palas Park)

Chairman: prof.dr.eng. **Mihai ILIESCU**

Presentation of works:

1. Influence of road pavement on the reduction of noise pollution on public roads in Romania - Gavril Hoda, Ilinca Mirela Beca (Cluj-Napoca Technical University), (Drum Expert Consult SRL), Rainer Brandsch (MDCTec Systems Germany)
2. Monitoring the environmental impact of road infrastructure - Ioan Grădinariu (VEDRUM SRL Iasi)

3. Technical solutions for avoiding calamities on forestry roads - Adelin Ştirb, Paul Marc, Gheorghe Lucaci, Andrei Forton (Timisoara Polytechnic University), Andrei Hrib (Timis Forestry Directorate)
 4. Solutions in the field of traffic safety with the role of mitigating the environmental impact - Nicolae Ciont, Remus Ciocan, Gavril Hoda (Cluj-Napoca Technical University)
- Debates for ST 3;

Debates. Resolution of the congress. The congress closure.

Saturday, September 22nd 2018

9:00-17:00

Technical visit on the National Road 28B. Lunch at Cotnari.