

PROGRAMME

INTERNATIONAL SCIENTIFIC CONFERENCE

"ROAD RESEARCH AND ADMINISTRATION"

CAR 2015

Novotel Bucharest City Centre Hotel

9 – 11 July 2015

Thursday, 9 July 2015

12 ⁰⁰ – 14 ⁰⁰	Registration of the participants – <i>Le Foyer</i>
<i>PARIS ROOM</i>	
14 ⁰⁰ – 14 ³⁰	Conference opening
14 ³⁰ – 16 ⁰⁰	Keynote lectures <u>Chair: Ionuț Radu Răcănel</u>
14 ³⁰ – 15 ⁰⁰	<i>"Concepts and new perspectives for long span bridges"</i> Fabio Brancaleoni , Professor, Università di Roma "La Sapienza", Italy
15 ⁰⁰ – 15 ³⁰	<i>"Constructing better roads with asphalt rubber"</i> Jorge Pais , Professor, Head of Civil Engineering Department, School of Engineering, University of Minho, Guimarães, Portugal
15 ³⁰ – 16 ⁰⁰	<i>"Efficiency of Hybrid Structures Applied to Bridges"</i> Victor Popa , PhD.eng., Corresponding member of the Academy of Technical Sciences of Romania, CNCisC President, Bucharest, Romania

16⁰⁰ – 16³⁰

Coffee break – *Le Foyer*

PARIS ROOM

16³⁰ -18³⁰

Keynote lectures

Chair: **Ionuț Radu Răcănel**

16³⁰ -17⁰⁰

"The safe road transport system approach"

Hans-Joachim Vollpracht, Ministerial dirigent a.D. Dipl.Ing., Honorary Member of the World Road Association (PIARC), Germany

17⁰⁰ -17³⁰

"Assessment of failures of steel structures"

Peter Knödel, Professor, Head of Department Tanks, Silos and Bridges, KIT (Karlsruhe Institute of Technology), Germany

17³⁰ -18⁰⁰

"The criteria for selecting dynamic insulating and energy dissipation solutions, based on equivalent rheological models, used for viaducts"

Polidor Bratu, Professor, "Dunărea de Jos" University in Galați, Member of the Romanian Academy of Technical Sciences, Bucharest, Romania

18⁰⁰ -18²⁰

Reviewed papers presentation

Mihai Dicu, Professor, T.U.C.E.B., Chair of Scientific Committee

18²⁰ -18³⁰

"Structural health monitoring with fiber optic sensors"

Ivan Cottone, Switzerland

18³⁰ -19³⁰

Exhibition visiting – *Lyon Room, Lobby Business Center*

19³⁰

Gala Dinner – *Novotel Bucharest City Centre Hotel, Paris Room*

Friday, 10 July 2015

PARIS ROOM

9⁰⁰ – 11⁰⁰

Short presentation of the conference partners

Chair: Carmen Răcănel

9⁰⁰ – 9²⁰

“Antiseismic devices for bridges”

Paul Semrau, MAURER

9²⁰ – 9⁴⁰

“Seismic isolation for highway bridges in Romania, feasibility and comparative costs calculation. Economic analysis on the "Lifecycle Cost" aspect”

Guido Retter, RETTER GROUP

9⁴⁰ – 10⁰⁰

“A Romanian structure for the design in Europe”

Lorenzo Sabini, S.C. ITALROM INGINERIE INTERNAȚIONALĂ S.R.L.

10⁰⁰ – 10²⁰

“Modern technologies used in the construction of structures”

François Tronel, S.C. FREYROM S.A.

10²⁰ – 10⁴⁰

“EVONIK - Solutions for the roads of today and of the future”

Georgiev Boyan, EVONIK INDUSTRIES AG

10⁴⁰ -11⁰⁰

“Nemetschek BIM, software solution for integrated infrastructure design”

Ciprian Popa, NEMETSCHek ROMÂNIA

11⁰⁰ -11³⁰

Coffee break –Le Foyer

11³⁰ -13⁴⁵

Presentation of papers

PARIS RIVE DROITE ROOM

PARIS RIVE GAUCHE ROOM

TOPICS 1 and 2

Chairs: Anton Chirică
Florian Burtescu

TOPICS 3 - 10

Chairs: Elena Diaconu
Valentin Anton

11³⁰ -11⁴⁵

„Seismic isolation of bridges using the principle of electromagnetic attraction and repulsion”

Silviu Alexandru Constantinescu,
Bucharest, Romania

„Sustainable traffic safety in Mid-Sized Cities”

George Kollaros, Antonia
Athanasopoulou, Greece

11 ⁴⁵ -12 ⁰⁰	<i>„Roller-terrain dynamic interaction in the process of compaction by vibration for road construction”</i> Sergiu Bejan, Chișinău, Moldova	<i>„Evolution of bridge inspection systems in Romanian Administration”</i> Cristina Romanescu, Bucharest, Romania
12 ⁰⁰ -12 ¹⁵	<i>„Resistance capacity evaluation for impulsive actions on New Jersey safety barriers used in traffic areas”</i> Polidor Bratu, Ovidiu Vasile, Aurelian Ghinea, Florin Popescu, Sorin Adrian Popa, Bucharest, Romania	<i>„The detection of urban mobility conditions by utilizing real time travelling data”</i> Rodica Dorina Cadar, Rozalia Melania Boitor, Cluj-Napoca, Romania
12 ¹⁵ -12 ³⁰	<i>„New technologies and equipment for earth stabilization with use of stabilizers based on polyenzyme natural organic compounds”</i> Alexandr Condrat, Andrei Ababii, Eugeniu Braguța, Chișinău, Moldova	<i>„ZAM 2 tunnel design, located on the railway line Simeria-Curtici-Border, component of the Pan European IVth Corridor”</i> Zdrenghia Georgeta, Zdrenghia Doru, Oancea Gheorghie, Bucharest, Romania
12 ³⁰ -12 ⁴⁵	<i>„Comparison of chemical stabilisers used for mixtures with clayey soil”</i> Antonia Athanasopoulou, George Kollaros, Greece	<i>„Understanding the role of the surrounding environment of a train station on travellers’ origin station choice behaviour: a tod approach”</i> Alexandra Tudorică, Peter van der Waerden, Wim Schaefer, Eindhoven, Holand
12 ⁴⁵ -13 ⁰⁰	<i>„Gerber structure strengthened using external prestressing”</i> Adrian Bota, Dorian Bota, Timișoara, Romania	<i>„Minimizing the “disutility” of urban passenger transport from the customers point of view”</i> Helcio Raymundo, Brazil
13 ⁰⁰ -13 ¹⁵	<i>„Use of sand asphalt in pavement structures”</i> Elvira Kalaitzaki, Antonia Athanasopoulou, George Kollaros, Greece	<i>„Using SUNET system for monitoring noise pollution in Cluj-Napoca”</i> Ilinca Mirela Beca, Mihai Iliescu, Cluj-Napoca, Romania
13 ¹⁵ -13 ³⁰	<i>„New Experiences with foamed bitumen asphalts in hungarian road building”</i> Zoltan Puchard, Agnes Gorgenyi, Hungary	<i>„Green roads in Bucharest – the first road network dedicated to pedestrian and cyclists in Bucharest”</i> Frangu Ioana, Simțion Tiberiu, Ivan Marian, Bucharest, Romania

13 ³⁰ -13 ⁴⁵	<i>„Evaluation of the behavior in time of transport infrastructure including geosynthetic materials”</i>	<i>„Fidic contractual conditions and their role in the framework of infrastructure”</i>
	Raluca Ioana Chirică, Liviu Tit Talos, Bucharest, Romania	Antofie Diana Oana, Bucharest, Romania

13 ⁴⁵ -15 ⁰⁰	Lunch – Novotel Bucharest City Centre Hotel, <i>Restaurant TEATRO</i>	
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15 ⁰⁰ – 16 ⁴⁵	Presentation of papers	
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PARIS ROOM

Chairs: Mihai Dicu, Nicolae Popa

15 ⁰⁰ – 15 ¹⁵	<i>„Failure mechanism of structured clays and stability of slope excavations”</i> Anton Chirică, Bucharest, Romania	
15 ¹⁵ – 15 ³⁰	<i>„Influence of hydrated lime on the properties and permanent deformation of the asphalt concrete layers in pavement”</i> Ahmed F. Al-Tameemi, Yu Wang, Amjad Albayati, Manchester, UK	
15 ³⁰ – 15 ⁴⁵	<i>„Case study: seismic isolation of Mihai Bravu Overpass - Bucharest. A distinctive example of integrated cooperation and works coordination between structural designer, isolator’s developer and bridge constructor”</i> Ivan Marena, Paolo Scotti, Florian Burtescu, Marcello Repetto, Italia	
15 ⁴⁵ – 16 ⁰⁰	<i>„Multidirectional study for traffic noise control in case of Woloska Street in Warsaw”</i> Jan B. Król, Andrzej Brzeziński, Piotr Radziszewski, Karol J. Kowalski, Piotr Szagała, Varsaw, Poland	
16 ⁰⁰ – 16 ¹⁵	<i>„Implementation of a electronic tolling station at Fetesti Bridge”</i> Cristian Andrei, Bucharest, Romania	
16 ¹⁵ – 16 ³⁰	<i>„Design and research on the first polish FRP composite road bridge”</i> Tomasz Siwowski, Damian Kaleta, Mateusz Rajchel, Poland	
16 ³⁰ – 16 ⁴⁵	<i>„Warrants for active Warning devices at low-volume highway-rail grade crossings”</i> Angela Jannini Weissmann, José Weissmann, Jaya Lakshmi Kunisetty, U.S.A.	

16 ⁴⁵ – 17 ⁰⁰	Conference closing	
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NOTE:

Keynote lectures (9 July 2015) have been planned for presentation of 30 minutes.

Each session presentation (10 July 2015) and plenary presentation (10 July 2015) must have 15 minutes including the questions. Please leave at least 2 minutes for questions.

As a presentation nears the end, you will be alerted by the Session Chairs of the time left. Session Chairs are instructed to stop any Presentation that runs over the allotted time. At the end of the Presentation the Session Chairs will invite questions from the audience (time permitting).

Saturday, 11 July 2015

Social tour in București – Village Museum and Palace of Parliament

Tour price: 45 euro

Lunch price: 20 euro

Programme:

- meeting at the hotel at 9.00 a.m.;
- visit at National Village Museum;
- short tour to observe the main objectives: Unirii Square, Magheru Boulevard, Victoria Palace, Aviators Statue, Arch of Triumph, Herăstrau Park, Victoriei Avenue, etc;
- visit at the Palace of Parliament;
- walk in the old city center and lunch (around 13.00 - 13.30 p.m.), having a Romanian specific meal.

Subscription:

e-mail: car@utcb.ro, until 8 July 2015

Hotel Novotel Bucharest City Centre, Le Foyer, 9 July between 12.00 and 16.30