



FIRST ANNOUNCEMENT

**14th SLOVENIAN
CONGRESS**

**ON TRAFFIC
AND TRAFFIC
INFRASTRUCTURE**

Portorož, 24–26 October 2018

**INVITATION
TO THE
AUTHORS OF
THE PAPERS**

ORGANISERS

DRC - ASSOCIATION FOR TRANSPORT AND TRANSPORT INFRASTRUCTURE OF SLOVENIA IN THE PROCESS OF ESTABLISHMENT IN COOPERATION WITH **DRC, ROAD AND TRANSPORT RESEARCH ASSOCIATION OF SLOVENIA** AND UNIVERSITY OF LJUBLJANA, FACULTY OF CIVIL AND GEODETIC ENGINEERING | INSTITUTE OF TRAFFIC AND TRANSPORT | UNIVERSITY OF MARIBOR, FACULTY OF CIVIL AND TRAFFIC ENGINEERING AND ARCHITECTURE | UNIVERSITY OF LJUBLJANA, FACULTY OF MARITIME STUDIES AND TRANSPORT | SLOVENIAN NATIONAL BUILDING AND CIVIL ENGINEERING INSTITUTE CHAMBER OF COMMERCE AND INDUSTRY OF SLOVENIA



INVITATION TO THE AUTHORS

Dear colleagues, associates and supporters of the operation of civil society associations!

Welcome to the **14th Slovenian Congress on Transport and Transport Infrastructure** that will take place **from 24 to 26 October 2018** in the pleasant environment of the Grand Hotel Bernardin in Portorož.

DRC, Association for Transport and Transport Infrastructure of Slovenia, organizes together with co-organizers, the traditional biennial meeting of Slovenian and foreign experts working in the field of the transport infrastructure, transport and logistics. The wish of the organizers, after the period of the crisis, which has begun almost ten years ago, reaching its bottom in 2011 and 2012, with the collapse of a large part of the Slovenian construction industry and the reduced capacity of the entire construction profession and activities, is to set up at this congress new development paradigms to enable the sustainable development of the profession and its activities, and to provide an easier adaptation to similar economic and social ups and downs in the future.

We therefore wish to present the experiences and technical achievements of the Slovenian construction industry in terms of its planners, designers, contractors, supervisors, managers, developers and transport infrastructure researchers that have been accomplished over the past years. The Congress will be a new opportunity to exchange views and ideas within the industry, the politics and the economy. It is only by our mutual efforts and the constructive approach that we will be able to create conditions for stable growth of the construction industry as an important economic activity, which with its multiplicative effects strongly influences the development of the entire national economy.

The growth of the Slovenian and the world economy requires more efficient use and expansion of transport infrastructure. At the same time, climate change and consequent extreme weather conditions are the reality that the construction and transport professions have to adapt to in order to provide the users with efficient and environmentally-friendly mobility. Therefore, modern infrastructure has to be sustainable and adapted to new challenges. The first task to do is to improve the efficiency of the existing transport system. With the continuous growth

of freight traffic by several percent per year, in addition to the planned new facilities, it is essential to improve the utilization of existing infrastructure and increase the volume of multimodal transport. Electromobility and autonomous driving systems are intensively being introduced, which will dictate the development of an information-oriented society. A prerequisite for their successful implementation is the appropriate infrastructure. And last but not least, it is necessary to introduce the principles of the circular economy also in the field of construction industry.

The above mentioned topics relate to the current problems regarding the situation and necessary development of all segments of Slovenian transport infrastructure. Modernization and updating of Slovenian railways is being intensively carried out, and we are very close to the long-planned construction of the second railway track. The construction of the third development axis as part of the national road network, which has been postponed for a long time, is now getting closer to its implementation. After years of stagnation, road infrastructure is being intensively renewed.

Therefore, we invite all of you who participate in the processes of planning, construction, maintenance and management of transport infrastructure, as well as the users, representatives of civil society associations and all those who in different ways make decisions and influence the future and development of all segments of transport infrastructure and transport in Slovenia, to attend the 14th Slovenian Congress on Transport and Transport Infrastructure and take an active part with your professional papers.

The Slovenian construction industry can and should be proud of the technological achievements and the implementation of large projects in the recent past. We have received much recognition for the high level of development of our profession from abroad, and it is time to begin to appreciate these achievements by ourselves. This Congress is a unique opportunity to present successfully completed projects, exchange information, learn about new technologies, principles, successful international practices, and to exchange opinions and ideas.

We hereby invite to the 14th Congress, as we did in all previous congresses, our colleagues and friends working in related professional societies and associations from neighbouring and other countries, with whom we have developed long-standing and lasting friendly relationships. Among the invited introductory lectures on the first day of the Congress, we especially highlight the following topics:

- Electro-mobility and autonomous driving - Tanja Mohorič director of the Automotive Cluster of Slovenia
- Modern Planning Practices and Bridge Management, Kiyohiro Imai, Japan, President of Technical Committee 'D.3 Bridges' of the World Road Association PIARC
- European Year of Civil Engineers The European Council of Civil Engineers (ECCE) designated the year 2018 as the European Year of Civil Engineers in order to emphasize their role in the growth of the living standard in a society, to raise the social reputation of civil engineers in European countries and to highlight the key role of civil engineers in meeting the challenges which the society will face in the future.

We, the organizers, especially invite the sponsors and exhibitors to support us with understanding. Only with our joint efforts, we will be able to give the Slovenian transport and civil engineering industries a new impetus.

You are invited to participate and see you in Portorož!

Aleš Žnidarič, PhD Construction Eng.
President of the Program Committee of 14th Congress

Samo Peter Medved, PhD Construction Eng.
President of DRC - Association for Transport and Transport Infrastructure of Slovenia in the process of establishment

Zvone Britovšek, BSc in Physics
Director of DRC

TOPICS OF THE CONGRESS



1 SLOVENIA AND ITS POSITION IN THE LOGISTIC CORRIDORS IN THE EU, THE SEASIDE – CONTINENT



2 INVESTMENTS IN THE SLOVENIAN TRANSPORT INFRASTRUCTURE

TRANSPORT INFRASTRUCTURE

- 2.1 Development and modernization of the road infrastructure
- 2.2 Development and modernization of the railway infrastructure
- 2.3 Development and modernization of the airport infrastructure
- 2.4 Development and modernization of the port infrastructure



3 SUSTAINABLE TRANSPORT INFRASTRUCTURE

- 3.1 Environment protection, climate changes
- 3.2 Vehicles, alternative fuels, drive systems
- 3.3 Electromobility
- 3.4 New technologies for the sustainable transport infrastructure



4 SLOVENIAN CONSTRUCTION ACTIVITIES – ECONOMICAL, QUALITY AND FAST

- 4.1 Innovative approaches to planning, construction and maintenance of roads
- 4.2 Designing – implementation and application of new technologies
- 4.3 Digitalization in the construction process
- 4.4 Materials and technologies
- 4.5 Bridging objects
- 4.6 Measurements, research activity
- 4.7 Equipment and construction products
- 4.8 Quality – expense or saving?



5 THE MANAGEMENT OF TRANSPORT INFRASTRUCTURE

- 5.1 Management
- 5.2 Maintenance



6 SLOVENIA AND TRANSPORT SAFETY

- 6.1 Transport safety: people, environment, infrastructure, vehicles
- 6.2 Electronic systems in transport (interaction between infrastructural electronic systems and electronic system in vehicles for the improvement of the transport safety)
- 6.3 Assistance systems in vehicles and autonomous driving



7 SLOVENIAN REGULATIONS AND LEGISLATION, AN INCENTIVE OR OBSTACLE FOR FASTER DEVELOPMENT OF TRANSPORT INFRASTRUCTURE

- 7.1 Spatial planning and spatial legislation
- 7.2 Land acquisition
- 7.3 New construction legislation
- 7.4 Involvement of non-government organizations, cooperation with the civil sphere, the importance of the profession



INSTRUCTIONS TO AUTHORS

DRC online information system enables direct submission of abstracts of papers (scientific and professional papers) and final texts. Therefore, we invite you to submit your abstracts and later the final papers through the following website

<http://www.DRC.si/kongres>

The preliminary application with an abstract of the announced paper must contain the following information:

- title of the paper
- name of the author and co-authors, indicating the level of education and academic title,
- names and full addresses of organizations where the authors are employed
- telephone number and E-mail of the author of the paper,
- contact person data in case he is not the main author of the paper,
- abstract of the paper in the Slovenian and the English language, with maximum 3000 characters.

Based on the abstracts of preliminarily applied papers, the Program Committee of the Congress will make a preliminary program of the Congress and invite the authors to submit through the online information system

<http://www.DRC.si/kongres>
the final texts of their papers in the following format:

- the complete text of the paper in MSWord format, 12-point font size with single spacing between lines,
- the text must not be longer than 10 pages written in A-4 format, with included graphic attachments and tables, possibly proofread,
- the title of the paper must be in both Slovenian and English language,
- the abstract written in both Slovenian and English language must not be longer than 15 lines
- the text of the paper can be either in the Slovenian or the English language, with the first chapter being Introduction, followed by other chapters and sub-chapters,
- chapters and sub-chapters must be numbered e.g.:1 INTRODUCTION 2 CONSTRUCTION OF ROAD SECTIONS; 2.1 Road section Ljubljana – Vrhnika; 2.2 ...,
- title of the paper and main titles of the chapters shall be written in capital letters,
- names and surnames of authors shall be accompanied by names and places of organizations where the authors are employed
- the name of the main author of the paper shall be written first,
- the Conclusion chapter shall be followed by the list of used references and sources.

The link to the website of the 14th Congress will be activated until 1 March 2018.

If you have any questions regarding the application of abstracts and the submission of final texts of the papers, please forward them to the e-mail address

darja.semrov@fgg.uni-lj.si

The received papers will be reviewed, evaluated and included in the Program by Program Committee of the Congress in cooperation with appointed reviewers. Inadequate papers will be rejected by the Program Committee with justification. The accepted papers will be uniquely formatted and published as a collection in electronic form.

DEADLINE FOR APPLICATION OF PAPERS

The authors are kindly asked to respect the indicated application deadlines for the papers to enable proper operation of the Program and Organizing Committees and appointed reviewers

Preliminary applications with abstracts until	1 April 2018
Final text of papers until	31 August 2018



ADDITIONAL INFORMATION

can be obtained at the following E-mail
darja.semrov@fgg.uni-lj.si

GENERAL INFORMATION



THE 14th SLOVENIAN CONGRESS ON TRANSPORT AND TRANSPORT INFRASTRUCTURE will be held on Wednesday 24, Thursday 25 and Friday 26 October 2018 in Portorož, in the Congress Centre of the Grand Hotel Bernardin.

Invitation for participation in the Congress (2nd Announcement) with the preliminary program will be prepared in August 2018, and the final Program of the Congress (3rd Announcement), before the start of the event in October 2018.

Accommodation with breakfast will be provided to the participants of the Congress in the immediate vicinity of the Congress Centre, in the Park, Histron and Bernardin hotels, on the basis of three-price classes with reduced prices.

Socializing at the Congress will also be an opportunity to establish new business connections and friendships.

DRC Special Committee will give also at the 14th Congress life achievement awards or awards for ultimate engineering or organizational achievements to the best experts.



IMPORTANT DATES

1 April 2018	Preliminary application of papers, submission of draft abstracts
31 August 2018	Submission of full texts of papers in final form
31 August 2018	Invitation for participation in the Congress – 2 nd Announcement
October 2018	Program of the Congress – 3 rd Announcement
24 – 26 October 2018	Portorož! The 14th Congress on Transport and Transport Infrastructure

INVITATION TO SPONSORS AND EXHIBITORS

The participation of as many sponsors and exhibitors as possible in organizing the 14th Congress is crucial. Therefore, we invite companies, enterprises and institutions to take part. For your financial support, you will get the best promotion of your projects, products and business plans. The types of participation will be presented in the 2nd Announcement.



INFORMATION ABOUT THE CONGRESS



INFORMATION

Information can be obtained on the website:
<http://www.drc.si>

as well as on E-mail address
evstahij.drmeta@drc.si
for general information

and on
darja.semrov@fgg.uni-lj.si
for questions regarding the abstracts and
the submission of the final texts of papers

THE MAIN ORGANIZER OF THE CONGRESS

DRC - Association for Transport and Transport Infrastructure of Slovenia in the process of establishment
and
Road and Transport Research Association of Slovenia Ltd.

Masarykova cesta 14
SI-1000 Ljubljana

Telephone: +386 41 542 859
Fax: +386 1 430 15 62

E-mail: drc@drc.si
Website: www.drc.si

TIN: SI17207495
Account No.: 02085-0017025805
Swift: LJ BA SI 2X
IBAN: SI 56 02085 0017 025805

REORGANIZATION OF DRC OPERATION

Dear colleagues!

DRC, Road and Transportation Research Association of Slovenia was established in 1991 with the aim of connecting experts from the road and transportation industry in Slovenia, taking care of the development of the profession, organizing professional events, congresses, participating in international organizations and promoting professional achievements at home and abroad. The founders were regional road associations – Road Association Ljubljana, Road Association Maribor (now DCM – Road Association of North-eastern Slovenia), Road Association of Dolenjska (now Road Association of South-eastern Slovenia) and Road Association of Primorska as well as Slovenian Asphalt Pavement Association. Over the years, due to their registration in the form of a limited liability company, certain shortcomings were noticed that were hindering the effective organization of the professional civilian sphere in this field.

Therefore, the members of DRC d.o.o. concluded that within the period of new investment cycle, the field of transport and transport infrastructure at the national level should be reorganized on different basis, which would make it possible for wide integration of all related factors. For this purpose, the founding assembly established on 14 December 2017 DRC - Association for Transport and Transport Infrastructure of Slovenia, as the successor of DRC d.o.o. The Association will operate according to Law on Associations and will be open for wide membership of related associations, individuals and business entities operating in the field of transport and transport infrastructure.

Participation in the 14th Congress on Transport and Transport Infrastructure will be an opportunity to join a newly established Association.

Slovenia needs the National Association which will operate in the field of development and promotion of activities related to public transport infrastructure. The National Association will be the member of international associations that integrate national associations and will be a competent negotiator with the Government of the Republic of Slovenia and the relevant Ministry, Chambers of Commerce and Industry, universities... The National Association will, as the successor to DRC, integrate on an independent basis the experts working in the fields of road transport, railway transport, air transport, maritime transport, logistics, intelligent

transport systems, infrastructure construction, information technology and other related activities.

The vision of the Association is to restore the reputation of the industry to the level of the road and transport profession before the crisis in the construction sector, to carry out activities connecting various professions in the field of public infrastructure and transport, to continue the tradition of organizing the national congress which needs to be upgraded with new contents and receive international recognition, and publish professional and scientific publications to raise the level of the profession in Slovenia. The National Association will operate with the goal of becoming the most important, representative and most visible organization in the field of infrastructure and transport in Slovenia with an international reputation.

Our goals are also reflected in the organization of the National Congress, where we have expanded its content and named it the **14th Congress on Transport and Transport Infrastructure**, as a further development of road and transportation congresses.

You are kindly invited to attend the traditional event that, over the years, has marked the development of transport infrastructure in the Republic of Slovenia and to take an active part in creating new development opportunities.

Samo Peter Medved, PhD Construction Eng.
President of DRC- Association for Transport and Transport Infrastructure of Slovenia in the process of establishment

14th SLOVENIAN CONGRESS

ON TRAFFIC AND TRAFFIC INFRASTRUCTURE

Portorož, 24–26 October 2018

Design: Sonja Eržen u.d.i.a. | Photo: Archive DRC and DRSS, Shutterstock | Print: Medium, d. o. o.

DRC - Association for Transport and Transport Infrastructure of Slovenia in the process of establishment
and
DRC, Road and Transport Research Association of Slovenia Ltd.

- encourage the development, recognition and cooperation of different expert fields related to the larger field of traffic
- publish specialized literature and organize expert meetings and education programs
- coordinate the work of Slovenian associations of roads and traffic experts, shareholders, who are to 100 % the owners of the company DRC d.o.o.
- cooperate with NK PIARC in IRF - International Road Federation



International
Road Federation

CONTACT

DRC - Association for Transport and Transport Infrastructure of Slovenia in the process of establishment
and
DRC, Road and Transport Research Association of Slovenia Ltd.

Masarykova cesta 14
SI - 1000 Ljubljana

T +386 1 430 1561
F +386 1 430 1562

E drc@drc.si
www.drc.si

ORGANISERS

DRC - ASSOCIATION FOR TRANSPORT AND TRANSPORT INFRASTRUCTURE OF SLOVENIA IN THE PROCESS OF ESTABLISHMENT IN COOPERATION WITH **DRC, ROAD AND TRANSPORT RESEARCH ASSOCIATION OF SLOVENIA** AND UNIVERSITY OF LJUBLJANA, FACULTY OF CIVIL AND GEODETIC ENGINEERING | INSTITUTE OF TRAFFIC AND TRANSPORT | UNIVERSITY OF MARIBOR, FACULTY OF CIVIL AND TRAFFIC ENGINEERING AND ARCHITECTURE | UNIVERSITY OF LJUBLJANA, FACULTY OF MARITIME STUDIES AND TRANSPORT | SLOVENIAN NATIONAL BUILDING AND CIVIL ENGINEERING INSTITUTE | CHAMBER OF COMMERCE AND INDUSTRY OF SLOVENIA

