

## Rapport d'activités des CN 2015

## 2015 Activity Report of NCs

## RÉSUMÉ

## SUMMARY

Article / Question	Item / Question

## 1. Information générale

## 1. General information

## Pays

## Country

Romania

## Nom du CN

## Name of NC

The Romanian National Committee of PIARC

## Président du CN

## Chairman of NC

**Mr. Gheorghe LUCACI (Prof. Dr. Eng.)**

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## Secrétaire du CN

## Secretary of NC

**Ms. Artemiza GRIGORAS (Eng.)**

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Nombre the membres collectifs /  
individuelsNumber of individual / collective  
members

41 individual members

## Organisation et structure

## Organisation and structure

The National Council of the Professional Association for Roads and Bridges was designated to act as the National Committee of PIARC in Romania.

**2. Conferences, seminaires,  
réunions des CT en 2015****2. Conferences, Seminars, TC  
meetings in 2015****Organisation des CN:  
nationale/internationale****Organisation by NCs:  
national/international**

The symposium “New technologies and materials used in constructing and maintaining roads and bridges \* Road safety”, the XI-th edition, Cluj-Napoca, 7-8 May 2015. Some interesting works were presented, among which the following need to be mentioned: “Accident risk and exposure in road safety. Data collection and reporting”; “Solutions to reduce the degradation of the road temperature variations”; “Considerations on sustainable urban transport and mobility” ; “Contributions of Bridges collective from Infrastructure Department in Cluj Technical University to implement European standards of design”, etc.

The papers which were presented were also recorded on magnetic tape for future printing in a volume.

**Travail conjoint avec d'autres organisations nationales****Joint organisation with other national institutions**

1. On 28-29 May 2015, the XIV-th edition of "Road and Environment" symposium was held in Timisoara, organized by the Banat Branch together with the Romanian Academy - Timisoara Branch and the Faculty of Civil Engineering Timisoara. The event was attended by 80 well-known scientists, academics, professionals and managers across the country and from abroad.

During these events there were 37 papers divided into 3 themes proposed by the organizers, namely:

1. Administration and management of land communication ways
2. Environment in the context of sustainable development
3. Advanced materials and technologies.

The conclusions were that the main directions of future research refers to the implementation of efficient technologies for the rehabilitation of roads and bridges, applying the concept of sustainable development in the conditions of our country, proper systematization of road intersections, upgrading protection activities of the environment and improving monitoring activities of the traffic.

2. On 9-11 July 2015, the VI-th edition of the scientific symposium C.A.R. Road research and administration was held in Bucharest, organized by Bucharest Branch together with the Technical University of Civil Engineering in Bucharest, The Faculty of Railways, Roads and Bridges and the Romanian National Company of Highways and National Roads.

The symposium sections were:

1. Research in the road field, with the following themes:
  - Laboratory and field investigation of the quality of road materials
  - Researches in the field of transportation infrastructure
  - New technologies used in the field of roads
  - Assessment and certification in the field of roads
  - Monitoring the operation behavior of roads
  - Administration and management of road works
2. Traffic safety, with the following themes:
  - Policies to increase traffic safety on the road network
  - Traffic safety in the urban area
  - Technical solutions to increase traffic safety, applied in road projects
  - Interdisciplinary collaborations regarding traffic safety.

The purpose of the symposium was to organize debates that make the connection between research themes, in-field and laboratory road material quality investigation methods, traffic safety issues and management of the activity in the infrastructure of road transportation based on strategies and efficient budget allocations.

**Travail conjoint avec d'autres CN****Joint organisation with other NC**

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Réunions des CT	TC meetings
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1. In 27 – 29 May 2015 was held in Bucharest the international meeting for TC 1.3 Climate Change and Sustainability, which was attended by members from Australia, Austria, Hungary, USA, Mexico, South Korea, Sweden, South Africa, Germany and the UK.

In the Plenary Session it was presented the final report of the special project for adaptation strategies to climate change in road infrastructure, an extremely important project in knowing and solving the problems caused by extreme weather events and their increased frequency.

Also, there were analyzed the technical reports of the working groups in the intermediate form before verifying and reviewing them within the technical committee.

A special section has been allocated to specific activities of the working groups, that completed collecting the information for the final technical reports and established how are integrated into the structure of documents already made.

2. In 27 - 30 May 2015 was held the working meeting of Technical Committee 4.3 Road Bridges, followed by the international seminar “Maintenance of Bridges”, under the auspices of the World Road Association (PIARC) and with the Professional Association of Roads and Bridges from Romania (Romanian National Committee of PIARC).

The theme of “Maintenance of Bridges” included several topics such as (1) Management, (2) Inspection (3) Repair and Rehabilitation (4) Evaluation (5) Inspection and Monitoring (6) Construction.

In this international seminar, 23 papers from Romanian experts and TC members were presented. Romanian experts presented 7 papers, including 2 TC 4.3 members. The other TC 4.3 members presented 16 papers.

The participants in this international seminar were a total of 44 including 17 from TC members and 27 Romanian experts from about 13 organizations including the national road administration and one local administration, 3 universities, 1 professional association, the Romanian Academy of Technical Sciences, 2 designing institutes, 4 construction companies.

The seminar has obtained a lot of contributions due to discussions on important topics such as risk analyses and risk management of bridges, bridge inspection, new bridge repair and rehabilitation methods, estimation of load carrying capacity of bridges, monitoring of bridges and nevertheless rehabilitation solutions.

Various rehabilitation solutions, inspection and monitoring methods of the bridges were presented during the two-day technical sessions.

It was emphasized, that the maintenance of the bridges is less expensive if the repair or rehabilitation solution, chosen by the designer is from financial point of view at least at an average level. It was also concluded that the viability state of bridges cannot be maintained without an adequate expense level.

The participants agreed that this seminar provided a good opportunity for experts and engineers in the bridge construction field to communicate with each other on all the aspects gathered in this seminar, from the simple visual inspection of an over passing structure to the most elaborated rehabilitation works.

**3. Publications en 2015****3. Publications in 2015****Publications nationales, rapports****National publications, reports**

Activity Report of the Romanian National Committee for 2014.

**Articles dans Routes/Roads****Articles in Routes / Roads**

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**Bulletin national ou revue des CN****National newsletter or magazine of NCs**

The Romanian National Committee publishes the monthly magazine „Roads - Bridges“, whose 216-th issue has just been released.  
In 2015, 9 numbers have been published up to now.

**4. Soutien aux premiers délégués****4. Support to First Delegates****Nomination des membres des CT****Nomination of TC members**

Romania has delegates in almost every PIARC Technical Committee. Their appointment was made based on the proposals of the National Council. In justified cases, the National Council has funded their participation in meetings of the PIARC Technical Committees.

**Enquêtes et sondages****Surveys and questionnaires**

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**5. Congrès de l'AIPCR****5. PIARC Congresses****6. Autres activités en 2015****6. Other activities in 2015**

<b>Assemblée générale, réunions avec les membres des CT, rencontres avec d'autres organisations nationales</b>	<b>General Assembly, meetings with TC members, meetings with other national organisations</b>
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1. Meeting of the General Assembly in April 2015.

2. Anniversary meeting to celebrate 25 years since the founding of the Professional Association of Roads and Bridges from Romania, in October 2015.

Among the 72 participants were members of the Romanian National Committee of PIARC, association's founding members and guests from Employers' Federation of Construction Societies, Road Workers Employers from Romania, the National Network of Laboratories from Construction, Romanian Association of Consulting Engineers, the General Association of Engineers from Romania, the Romanian Association of Construction Contractors and the National Company of Highways and National Roads from Romania.

<b>Relations internationales</b>	<b>International relations</b>
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<b>Promotion de l'AIPCR</b>	<b>Promotion of PIARC</b>
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PIARC materials were distributed during national events and conferences and emailed to all the members of the Professional Association of Roads and Bridges in Romania.

<b>Site Internet des CN</b>	<b>NCs' website</b>
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[www.apdp.ro](http://www.apdp.ro)

<b>Autres choses</b>	<b>Other business</b>
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**RAPPORT DÉTAILLÉ SUR DES POINTS CULMINANTS**

**DETAILED REPORT ON HIGHLIGHTS**



The XIV-th edition of "Road and Environment" symposium, Timisoara, 28 – 29 May 2015





The XIV-th edition of "Road and Environment" symposium, Timisoara, 28 – 29 May 2015



International meeting for TC 1.3 Climate Change and Sustainability, Bucharest, 27 – 29 May 2015



International meeting for TC 1.3 Climate Change and Sustainability, Bucharest, 27 – 29 May 2015



International meeting for TC 4.3 Road Bridges and “Maintenance of bridges” seminar, Bucharest, 27 – 30 May 2015



International meeting for TC 4.3 Road Bridges and "Maintenance of bridges" seminar, Bucharest, 27 – 30 May 2015



Anniversary of 25 years since the founding of the Romanian Professional Association of Roads and Bridges



Anniversary of 25 years since the founding of the Romanian Professional Association of Roads and Bridges