



Stowarzyszenie Polski Kongres Drogowy

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XIV International Road Safety Conference GAMBIT 2023

29-31 May 2023, Gdańsk

Programme

29th May

12:00-13:00 Lunch

13:00-13:20 Opening ceremony

Prof. Krzysztof Wilde, Rector of the Gdansk University of Technology,

Prof. Joanna Zukowska, Dean of the Faculty of Civil and Environmental Engineering,

Zbigniew Kotlarek, President of the Polish Road Congress,

Tomasz Zuchowski, General Director for the National Roads and Motorways.

13.30-13.45 Announcement of the winners of Prof. Krystek's Award and presentation of the awarded projects

Prof. Marcin Slezak, Director of the Motor Transport Institute in Warsaw, Partnership for Road Safety

13:45-15:00 Session I Global social, economic and environmental changes as challenges for action for road safety

Chairmen: **Joanna Zukowska**, **Konrad Romik**

Antonio Avenoso, European Transport Safety Council (ETSC): The role of the ETSC in the implementation of road safety activities in Europe (European Union activities at the European level),

Konrad Romik, National Road Safety Council: National Road Safety Strategy 2030 – Implementation and challenges for the future,

Kazimierz Jamroz, Gdansk University of Technology: How to consider global challenges in national and regional actions for road safety?

Maria Dabrowska-Loranc, **Dagmara Jankowska-Karpa**, **Anna Zielnska**, Motor Transport Institute: European research to determine the effectiveness indicators of actions in the field of road safety,

Tomasz Radzikowski, Regional Roads Administration in Olsztyn, **Marcin Budzynski**, Gdansk University of Technology: The Road Safety Program for the region of Warmia and Mazury 2030,

John Milton, Washington State Department of Transportation, PIARC: Summary of activities of the Technical Committee for road safety.

15:00-15:30 Coffee break

15:30-17:30 II Session Implementation of new technical and construction regulations – road safety aspects

Chairmen: **Stanisław Gaca**, **Grzegorz Kuczaj**

Grzegorz Kuczaj, Ministry of Infrastructure: The need for changes and the program for implementation of the new technical and

construction regulations for roads,

Stanislaw Gaca, Cracow University of Technology: Opportunities and difficulties for implementation of the new technical and construction regulations for roads (including road safety aspects),

Piotr Olszewski, Warsaw University of Technology, **Marcin Budzynski**, Gdansk University of Technology, **Mariusz Kiec**, Cracow University of Technology: Road safety aspects in the new technical and construction regulations for roads,

Janusz Bohatkiewicz, Cracow University of Technology, Polski Kongres Drogowy: Role of technical committees in implementation of the new technical and construction regulations for roads,

Joanna Zoltowska, Transprojekt Gdansk: Selected problems for implementation of the new technical and construction regulations for roads from the designer's perspective,

Karolina Jesionkiewicz-Niedzinska, **Andrzej Brzezinski**, Warsaw University of Technology: Safe cycling infrastructure in the new street design regulations,

Kazimierz Jamroz, **Tomasz Mackun**, Gdansk University of Technology: Safe pedestrian infrastructure in the new road and street design regulations,

Tomasz Mackun, Gdansk University of Technology, **Mariusz Kiec**, Cracow University of Technology: The program for training for implementation of the new technical and construction regulations for roads.

20:00 Gala dinner at the Gdańsk University of Technology – transfer from the hotel provided

30th May

9:00–10:45 Session III: Social changes vs road safety activities

Chairmen: Romanika Okraszewska, Carmelo D'agostino

Anna Gobis, **Joanna Zukowska**, Gdansk University of Technology: Effectiveness of existing policies for lifestyle interventions – main findings from the Policy Evaluation Network (PEN) project,

Maria Dabrowska-Loranc, Motor Transport Institute, **Emil Lopata**, Heller Consult sp. z o.o., **Anna Zielinska**, Motor Transport Institute: The impact of sectional speed measurement on drivers' behaviour on the example of the S8 express road in Warsaw,

Romanika Okraszewska, Gdansk University of Technology: Improving the accessibility of transport interchanges for people with special needs (research project "Transfers without barriers"),

Ewa Odachowska-Rogalska, Motor Transport Institute: Risky driving behaviours in road traffic – new trends,

Carmelo D'agostino, **Carl Johnsson**, **Hampus Norén**, Lund University: Analyzing the behaviour of bicyclists using a bicycle simulator.

Marcin Flieger, Global Road Safety Partnership, Genewa: Global trends and road safety,

10:30–10:45 Coffee break

10:45–13:00 Session IV: Road traffic safety measures

Chairmen: Kazimierz Jamroz, Grzegorz Baginski

Zdzislaw Dabczynski, WIMED Sp. z o.o.: Road signs and road safety devices at the interface between construction law and road traffic law – the need for harmonization,

Marcin Budzynski, Gdansk University of Technology: Road safety measures in the new technical and construction regulations, **Dawid Bruski**, Gdansk University of Technology: Field and simulation study of the performance of road safety barriers and drivers of vehicles hitting the barrier,

Lukasz Jelinski, Gdansk University of Technology: Identification and quantification of factors influencing the extent of damage to road safety barriers,

Kazimierz Jamroz, **Lukasz Jelinski**, Gdansk University of Technology, **Jacek Wolosz**, POLAQUA: The risk of accident in the work

zones and methods of its reduction,

Piotr Kedzierski, Military University of Technology: Crash cushion attenuator – origin, design, simulation and field tests,

Krzysztof Waszczuk, SafeRoad: Safe ends of road barriers.

13:00-14:00 Lunch

14:00–15:45 Session V Proactive methods and tools for infrastructure safety management

Chairmen: Salvatore Cafiso, Grzegorz Dziejdzina

Grzegorz Dziejdzina, Karol Markowski, Mariusz Lis, General Directorate for National Roads and Motorways: Road infrastructure safety management on national roads in Poland,

Wojciech Kustra, Tomasz Mackun, Gdansk University of Technology: Requirements of the Directive 2019/1936 on road infrastructure safety management,

Salvatore Cafiso, Giuseppina Pappalardo, University of Catania, **Mariusz Kiec**, Cracow University of Technology: Road safety inspection as a proactive tool for road infrastructure safety management,

Attila Borsos, Daniel Miletics, University of Gyor, **Marcin Budzynski**, Gdansk University of Technology: Road safety audit as a proactive tool for road infrastructure safety management,

Anđelo Marunica, Leonid Ljubotina, Marco Servovic, Bojan Jovanović, University of Zagreb: Practical approach to network-wide road safety inspection based on iRAP methodology: case study of Croatia,

Damian Iwanowicz, Bydgoszcz University of Technology: Road safety audit as a road safety management tool on the example of projects for traffic organization using traffic signals,

Andrzej Maciejewski, The Centre for EU Transport Projects: Implementation of the road safety management system in Georgia and Azerbaijan. Examples from EU twinning projects,

Julius Uhlmann, Bauhaus University of Weimar, **Tomasz Mackun**, Gdansk University of Technology: Tech: Comparison of pedestrian crossing design guidelines in different European countries.

15:30–15:45 Coffee break

15:45–17:15 Session VI New technologies for road safety activities

Chairmen: Mariusz Kieć, Jacek Oskarbski

Piotr Chalka, Bartłomiej Banach, Marek Źmijan, General Directorate for National Roads and Motorways: Dynamic speed management as part of the National Traffic Management System,

Konrad Biszko, Jacek Oskarbski, Gdansk University of Technology: Identification of the elements of traffic control systems that significantly affect road safety, traffic conditions and the natural environment,

Tomasz Kaminski, Road and Bridge Research Institute, **Mariusz Kiec**, Cracow University of Technology: Impact of Variable Message Signs (VMS) on drivers' behaviour,

André Hoffmann, Institut für Numerische Methoden und Informatik im Bauwesen, Technische Universität Darmstadt,

Marek Skakuj, HELLER Ingenieurgesellschaft mbH: Possibilities of using AI to assess road safety,

Marek Litwin, SmartCity Lab – ITS Polska, **Ewa Wolniewicz-Warska**, Association of Polish Counties, ITB Consulting: Automatic crossing control as a tool supporting road safety. The project development in the ITS laboratory,

Mariusz Kiec, Krystian Wozniak, University of Technology: Use of unmanned aerial vehicles for proactive road safety management.

17:15–17:30 Summary and closing ceremony

31st May

EuroS@P and InfRo@D Workshops

9:00-13:00 Road safety management methods and tools developed as part of the EuroS@P and InfRo@D projects

The aim of the workshop is to present the developed materials and methods dedicated to the didactic process and training in the field of road safety management and to obtain feedback on their quality and applicability.

The workshop will help to enhance knowledge and exchange experience regarding pedestrian crossings and roadside safety assessment, identifying sources of hazards and threats and their classification with an indication of countermeasures.

The workshop will be divided into two topics:

Road safety management at pedestrian crossings (EuroS@P project),

Road safety management on the roadside (InfRo@D project).

Workshop leaders:

Tomasz Mackun, Wojciech Kustra, Marcin Budzynski, Joanna Wachnicka, Gdansk University of Technology,

Julius Uhlmann, Wido Hamel, Bauhaus University of Weimar,

Salvatore Cafiso, Giuseppina Pappalardo, University of Catania,

Mariusz Kiec, Remigiusz Wojtal, Cracow University of Technology,

Attila Borsos, Daniel Miletics, University of Gyor,

Leonid Ljubotina, Marco Servovic, Anđelo Marunica, University of Zagreb,

Kyandoghene Kyamakya, Jean Chamberlain Chedjou, Alpen Adria University,

Miroslava Mikusowa, University of Zylina.

13:00-14:00 Lunch