

Problemy Transportu

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**RESULTS OF VIII INTERNATIONAL SCIENTIFIC CONFERENCE
“TELEMATICS, LOGISTICS AND TRANSPORT SAFETY”**

Summary. VIII International Scientific Conference “Telematics, Logistics and Transport Safety” was carried out in Katowice and Cieszyn from 16th to 18th of October 2008. Scientists from 12 countries, who have sent 59 papers, have taken part in its work. All materials of conference have been published in proceedings of the conference.

**WYNIKI VIII MIĘDZYNARODOWEJ NAUKOWEJ KONFERENCJI
„TELEMATYKA, LOGISTYKA I BEZPIECZEŃSTWO TRANSPORTU”**

Streszczenie. VIII Międzynarodowa Naukowa Konferencja „Telematyka, logistyka i bezpieczeństwo transportu” odbyła się w Katowice i Cieszynie 16 - 18 października 2008 roku. W konferencji wzięli udział specjaliści z 12 krajów, którzy przysłali 59 referatów. Wszystkie materiały konferencyjne zostały opublikowane w zeszycie prac naukowych konferencji.

VIII International Scientific Conference “Telematics, Logistics and Transport Safety” has continued a series of the international scientific meetings, which will traditionally be organised by the Faculty of Transport of Silesian University of Technology. The given conference nevertheless differs from other conferences and symposiums wider spectrum of considered problems and the wide representation of foreign participants. It is caused by those three departments of the faculty who were the basic organizers of the conference: Department of Automotive Vehicle Construction, Department of Logistics and Mechanical Handling, Department of Transport Informatics Systems. The wide field of scientific interests of participating departments was reflected in the reports sent on conference as the considered subjects covers practically all aspects of widely understood transport science.

The reports on conference were sent by leading scientists and experts from 12 countries: Austria, Azerbaijan, Croatia, Czech Republic, Latvia, Lithuania, Macedonia, Poland, Romania, Russia, Switzerland and Ukraine. 59 scientific reports have been sent in total.

As well as many other conferences which will be organised by the faculty, the specified conference was carried out in an exit mode, i.e. its opening and plenary session have taken place in Katowice in the Faculty of Transport, and then participants of the conference left to Cieszyn where other sessions of the conference were carried out. Such way of the organisation of the conference allows uniting dialogue of conference participants with official representatives of Silesian region during plenary sessions and easy discussion about special scientific problems during discussions and reports during the conference exit sessions.

The great value of the given conference for the Silesian region and the city of Katowice was marked in reports and speeches of various authors. This fact was underlined by participation in work of the conference of official representatives of the authorities of the province and cities. For example, the authorities of Silesian region represented the province the inspector of road transport Jerzy Śliwiński and the director of the province, department of the traffic Roman Bańczyk.

Before the conference the mayor of the city of Katowice Piotr Uszok received some of the participants. In particular, in conversation with the rector of the East Ukrainian National University of prof. Alexander Golubenko (fig. 1) importance of development of inter-regional contacts in the field of transport has been noted.



Fig. 1. The appointment of conference participants by the mayor of the city of Katowice Piotr Uszok
Rys. 1. Przyjęcie uczestników konferencji prezydentem miasta Katowice Piotrem Uszokem

In the beginning of the conference the dean of the faculty of transport prof. Bogusław Łazarz made a short speech. In his speech he talked about the faculty's achievements in the development of the transport science of Poland. Then on behalf of the city authorities the first vice-mayor of Katowice Krystyna Siejna addressed the participants of the conference. In her speech she has underlined the importance of workings out of the participant's conference for the city of Katowice and for the Silesian agglomeration as a whole.

The rector of the East Ukrainian National University prof. A.Golubenko in his presentation has noted achievements of the university in transport developments in Ukraine. He also has underlined the importance of the development of the international cooperation in the solution of many transport problems. One of the tools of such cooperation is the Agreement on Collaboration between Silesian University of Technology and East Ukrainian National University.

Problems of development of transport in the Silesian region has considered in the presentation of prof. Sylwester Markusik (Silesian University of Technology). It is obvious, that the set of directions of development of transport is possible. Here again the analysis of expert estimations of transport development for the Silesian region by means of technique Foresight can be rather a useful approach.

Now for the countries of Central Europe the increasing value has air transport. Problems and perspectives of its development have been considered in the presentation of prof. Sanja Steiner (University of Zagreb).

The important direction of transport development for the countries Central and Eastern Europe is the intermodal and combined transport. Projects of its development have been considered in the

presentation of prof. Leszek Mindur (Warsaw School of Economics). Technical, economic and legal aspects of development of such transport have been considered.



Fig. 2. Greeting of conference participants by the first vice-mayor of Katowice Krystyna Siejna
Rys. 2. Pierwszy Wiceprezydent miasta Katowice Krystyna Siejna zwraca się do uczestników konferencji

It is obvious, that the motor transport is now the most widespread type of transport. Unfortunately, safety of the given type of transport leaves much to be desired. The given safety in many respects is connected with quality of drivers training during their professional training. In the Silesian region WORD - province department of the traffic is charged with the quality of drivers training. Prof. Romuald Szopa (Częstochowa University of Technology) in his presentation has considered the achievements and projects of further development of WORD during 10 years of its work.

After the ending of the plenary session the conference participants have left to Cieszyn where sessions have been continued in the conference hall of the hotel "ORBIS – HALNY". But on the way the conference participants have visited the control centre of traffic in the tunnel, which is recently opened for exploration in the centre of Katowice. This excursion was rather useful for conference participants as here it was possible to familiarize themselves with modern control systems of rather difficult complex what the tunnel in Katowice is. The given visit became possible thanks to the invitation of the firm APM.

Discussion in Cieszyn lasted two days. They have raised general interest. It was confirmed with the general discussion. Among the most interesting presentations it is necessary to note presentation of dr Mihaela Popa, etc. "Decisions of Hypermarkets Location in Dense Urban Area – Effects on Streets Network Congestion. The Bucharest Case" (University POLITEHNICA of Bucharest), prof. Dmitry Pogorelov, etc. "Derailment Accident Analysis by Computer-Aided Simulation of Rail Vehicle Dynamics" (Bryansk State Technical University), проф. Pēteris Balckars, etc. "Choice of Mathematical Model of Research Nosing of Group Drive of the Locomotive" (Riga Technical University), prof. Igor Ivanov, etc. "Increase of Operational Safety of Solid Wheels" (Petersburg State Transport University) and prof. Svitlana Gubenko, etc. "Influence of Nonmetallic Inclusions on Microbreaks Formation in Wheel Steel and Railway Wheels" (National Metallurgical Academy of Ukraine).



Fig. 3. Plenary session of the conference in the Faculty of Transport
Rys. 3. Plenarna sesja konferencji na Wydziale Transportu

The Conference ended with the products demonstration of firm SWARCO FUTURIT Verkehrssignalsysteme GesmbH (Austria) on a theme "Presentation of modern road traffic safety systems". In his extensive report Wolfgang Ernst, product and development manager, has presented new developments concerning traffic signs of the variable content.

During the return to Katowice the conference participants have familiarised themselves with logistical aspects of work in firm Tyskie Brewery where participants have paid attention to the problems of distribution of the firm production and also with new methods of production loading with use of the modernised forklift loaders of various designs.

Following the results of the conference it has been recognised, that scientific meetings similar described above conference, are useful for the expansion of scientific exchange. It is planned, that the following conference of the given cycle will take place in Katowice in 2009.

Sent articles which have met with approval of the international program committee, have been published in the conference proceedings. The most interesting conference papers also will be published in full in this journal.