

22nd INTERNATIONAL SYMPOSIUM ON ELECTRONICS IN TRANSPORT – ISEP 2014

On 24th and 25th March 2014, the 22nd International Symposium on Electronics in Transport – ISEP 2014 was held at the Exhibition and Convention Centre in Ljubljana, Slovenia.

The Symposium was organized by the Slovenian ITS Association under the umbrella of the Electrotechnical Association of Slovenia. The topic of the Symposium was “ITS for Seamless and Energy Smart Transport”.

Since traffic in Europe is increasing on a daily basis, it is necessary to provide certain guidelines and technologies so as to enhance its efficiency. The process of national boundaries abolition is in full swing thus implicating the transport distance diminution and greater mobility. For the purpose of European traffic harmonization (i.e. finding balance between shorter distances and capacity, including the impact on safety and environment), it is important to ensure contact points of different transportation means (vehicles, trains, ships, planes, etc.) as well as personal devices and infrastructure. Intelligent transport systems are seen as a solution which will enable significant performance improvements, more efficient transport, increased safety and less environmental pollution.

The International Symposium on Electronics in Transport gathered a number of ITS experts as well as other participants (industry, research organizations, ministries and universities) from Slovenia, Austria, Croatia, Serbia and Greece. They exchanged opinions on ITS aspects for all transport modes, standards and requirements for ITS in Europe, active traffic management, measures for increasing efficiency, energy use in transport, data exchange, etc.

The Symposium was divided into plenary session and technical sessions.

On March 24th, the opening address of the Symposium was given by the President of the Slovenian ITS

Association, Mr. Robert Rijavec, M.Sc., followed by a welcome speech by Prof. Mario Anžek, Ph.D. The plenary session began after the opening address where six papers were presented. Within this session, Ms. Arijana Modič, mag.eng.traff, presented the paper entitled “Performance Scheme Implementation in Functional Airspace Block Central Europe”. The technical session was divided and held in two different halls. Hall A was marked by road transportation whereas hall B dealt with railway and maritime transportation.

Regarding the University of Zagreb and the Faculty of Transport and Traffic Sciences, the papers were presented in the fields of road and railway transportation. The papers were as follows:

- “ITS in the Function of Sustainable Urban Mobility” written by Bia Mandžuka, mag. traff.eng., Prof. Davor Brčić, Ph.D. and Pero Škorput, Ph.D.,
- “An RFID-Based Vehicle Identification System for Public Transport Priority” written by Niko Jelušić, Ph.D., Marija Škrtić, mag.ing.inf. et comm. techn., Matija Marković, mag.traff. eng.,
- “Real Time Vehicle Country of Origin Classification Based on Computer Vision” written by Kristian Kovačić, mag.traff.eng., Assist. Prof. Edouard Ivanjko, Ph.D., and Sergio Varela,
- “Measures For Increasing Travelling Speed in Urban Public Transport” written by Prof. Gordana Štefančić, Ph.D. and Drago Bago,
- “Energy-efficient Drive of Trains” written by Prof. Jasna Blašković Zavada, Ph.D., Assist. Prof. Borna Abramović, Ph.D. and Tomislav Čvek.

The Symposium lasted until 7 p.m. followed by a symposium dinner.

The RITS-Net workshop “ITS – Fleet Management and Freight” was held on March 25th.

Arijana Modič, mag.traff.eng.
Faculty of Transport and Traffic Sciences
Zagreb, Croatia



Bojan Babič, M.Sc., State Secretary at Ministry of Infrastructure and Spatial Planning, Ljubljana, Slovenia