

CONFERENCE INVITATION



VIRTUAL REALITY - AN ANSWER TO THE CHALLENGES IN PROFESSIONAL DRIVER TRAINING?

6th June 2019 | WARSAW, POLAND

Hotel Czerniewski
ul. Jutrzenki 119

Current situation in the transport industry faces both driver training centres and transport companies with the challenges related to the professional driver education. Constant technology development, changes in law and the evolution in driver responsibilities result in continuous increase of the requirements for the individuals willing to start or continue their work in this profession. At the same time, the number of candidates has been constantly decreasing and the candidate's profile has been evolving.

Deepening professional driver deficit leads to the situation in which the newly-appearing candidates are expected to finish the training and start working as soon as possible. In the meantime, the transport industry is counting on high quality training which will allow to answer the actual challenges facing present professional drivers. Additionally, an extreme competitiveness on the driver training market hinders investing in the equipment which could increase training quality.



Having these circumstances in mind, the professional driver training implementation is standing up to the following challenges:

- ▲ increase in the education efficiency process while maintaining low costs,
- ▲ customization of training process to the individual capabilities,
- ▲ seamless implementation of new training aspects, related to using Advanced Driving Assistance Systems, changes in the vehicle's construction, changes in the road infrastructure as well as new responsibilities of a professional driver.

The main goal of ICT-INEX project is to indicate how to cope with these challenges by introducing the most modern ICT-based training tools in professional driver training. During the project we analyzed their

influence in both the aspects of the individual training potential of each of them and combining them with other training tools for the sake of the increase in educational efficiency. As the project outcome, we provided the guidelines on how to use each of the ICT-based training tools and in which training areas should they be used in order to fully exploit their potential.

One of the tested technologies was VR – virtual reality. We thoroughly analyzed it with regard to its implementation in daily professional driver training praxis. We took into account its educational efficiency, economic efficiency and the attitudes of the trainees towards this technology. During the conference we would like to share with you the results of this analysis. Our event will also enable establishing the communication between the parties interested in the topic of innovative training tools. The conference will be attended by the organizations which offer and use the VR technology in driver training already today. By presenting their experience we would like to bring you closer to the practical side of the VR-based driver training. We hope that the presence of training practitioners and training VR software developers will allow to engage all the participants in the fruitful discussion and contribute to acknowledging the potential of utilizing this technology in professional driver training.

ORGANIZERS:



Grupa **CARGO**

PROJECT TAKEN UNDER:



Erasmus+

CONFERENCE AGENDA

9:00-9:30

Registration

9:30-9:45

Opening of the conference & introduction to ICT-INEX project

9:45-10:45

Using VR technology in professional driver training

- ◀ *VR's potential in vocational training*
- ◀ *Spherical films - a tool for increasing driver awareness*
- ◀ *Technology assessment and the attitudes towards VR among the professional driver candidates - the analysis of Motor Transport Institute*
- ◀ *Using VR technology in shaping driver habits - results of WirtualnaElka project*

10:45-11:15

Coffee break

11:15-12:30

Using VR technology in professional driver training - continued

- ◀ *Presentation of VR-based training tools used in professional driver training*
- ◀ *Discussion panel – members of the companies using innovative technologies in training praxis, transport companies and VR developers*

12:30-13:30

Lunch

13:30-14:30

Final recommendations of ICT-INEX project

- ◀ *Proposals for national law changes allowing to identify VR and other innovative ICT-based tools as full-fledged training tools*
- ◀ *How to introduce VR into training praxis?*
- ◀ *How to combine VR with other training tools?*
- ◀ *Discussion panel - how to achieve the best educational effects using VR-based tools?*

14:30-15:00

Coffee break

CONFERENCE AGENDA

15:00-16:00

The future of professional driver's occupation

- ◀ *Skills and competences desired in the future transport industry - the results of Skillful project*
- ◀ *The influence of road transport automation on professional driver training - the analysis of Motor Transport Institute*
- ◀ *Discussion panel - The outlook of driving centres and transport companies on the vehicle automation-driven needs*

16:00

END OF THE CONFERENCE

16:00-17:30

COFFEE & NETWORKING

The exhibition of VR-based professional driver training tools will take place next to the conference. All participants are invited to experience the virtual reality themselves.