



The Ministry of Transport of the Czech Republic and
the Transport Research Centre would like to use this opportunity
to invite you to

Workshop

as part of the Austerlitz Declaration Member States Platform
under the Czech Republic Chairmanship in 2019



PROGRAMME

1-day workshop:	time for presentations and discussions, coffee breaks, technical excursion, real demonstration
Topic:	Societal issues and impacts related to gradual introduction of the automated driving
Date:	11 April, 2019
Registration:	9:00
Start:	9:30
End:	13:30 (workshop), 16:00 (technical excursion and real demonstration)
Official workshop language:	English
The workshop fee:	Workshop is free of charge
Venue:	Transport Research Centre (CDV), Líšeňská 2657/33a, 636 00 Brno-Líšeň, Czech Republic (https://www.cdv.cz/en/)
Parking possibilities:	CDV car park (limited capacity)

The organiser contact person:

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THURSDAY MORNING

09:00 – 09:30	Registration
09:30 – 09:40	Welcome messages: <ul style="list-style-type: none">• Jindřich Frič, Director of Transport Research Centre (CDV), public research institution• Václav Kobera, Director of ITS, Space Activities and R&D&I Department, Ministry of Transport of the Czech Republic
Workshop Section 1 – Public acceptance of automated transport	
Moderator:	Blanka Bednářová , Head of Foreign Relations Unit, Ministry of Transport of the Czech Republic
09:40 – 10:00	Petr Zámečník (CDV - Transport Research Centre): Public acceptance of automated transport - presentation of the project results <i>Automated vehicles are not a regular part of traffic yet. However, the mere possibility of automated vehicles being involved in road transport encourages interest as well as concern among the general public. Stakeholders should take these concerns into account when communicating the topic of automated vehicles to the public as well as in the case of implementing the technology. In the currently presented work, we focus on the acceptance of the general population in the Czech Republic related to automated transport.</i>
10:00 – 10:20	Martin Russ (AustriaTech): Austrian Action Program on CCAM – Integrated mobility starts with integrating user needs <i>The Austrian CCAM strategy has been developed together with 300 experts, leading to more than 30 specific measures. A broad societal and cross sector dialogue is key for ensuring public acceptance. Actual overview on ongoing activities and priorities, like a citizen debate on Automated Mobility in 5 different cities.</i>
10:20 – 10:40	Armin Kaltenecker (KfV, Austrian Safety Board): Traffic Safety Guidelines on CCAD – Ensuring safety as a key for trust and acceptance
10:40 – 10:50	Jaroslav Kmeť (Office of the Deputy Prime Minister of the Slovak Republic for Investments and Informatization): Towards platform for cooperation and innovation partnership for intelligent mobility according to the conditions in Slovakia
10:50 – 11:10	Discussion
11:10 – 11:30	Coffee & Tea Break

Workshop Section 2 – Driving skills declining (due to using the functionality of fully automated vehicle instead of manual driving regularly) and New skills needs (new learning and training needs, new roles and manufacturing skills)

Moderator: Martin Pichl, Head of ITS and R&D&I Unit, Ministry of Transport of the Czech Republic

11:30 – 11:50	<p>Darina Havlíčková, Petr Zámečník (CDV - Transport Research Centre): Driving skills declining - presentation of the project results</p> <p><i>In the time of autopilots the key role of the operator is no longer the manual skills itself, but above all the control of the automated system, the ability to detect errors and the ability to adequately react in the event of failure of automated system. For the adequate ability of takeover or correct assessment of automated system performance is necessary the maintenance of the driving skills – you have to understand what should system do and how good it has to be. However, the absence of manual activities leads to the decrease of skills and consequently also decrease skill to control automated system. There will be presented definition of the skills necessary to control the driving of an autonomous vehicle and skills needed to tackle the errors and failures of an autonomous vehicle. The question for future practice and policymaking is to find the critical level when an increased level of danger occurs. This critical level may be due to a lack of initial practice or may be due to the inadequate maintenance (practice) of driving skills over time.</i></p>
11:50 – 12:10	<p>Jiří Vítek (O2 Czech Republic), Tadeáš Kříž (Prague Labs): Development of the mobile application within the C-Roads project for the early-warning of driver to be aware of potential traffic incidents, collisions or when driving in emergencies may occur</p> <p><i>Due to received early-warning message a driver can be informed in advance of a risk situation in road traffic in order to be able react in a timely manner and to take the best action at an early stage (according to his or her abilities and skills). Experience with mobile application development within the C-Roads project for Day-1 services – development, requirements, considerations, opinions, testing.</i></p>
12:10 – 12:30	<p>Manfred Tscheligi (AIT – Austrian Institute of Technology & University of Salzburg): Human Machine Interaction and Automated Vehicles: Needs and Challenges for Future User Experiences</p> <p><i>Presentation of specific projects, research issues dealing with HMI, design principles and naturalistic driving.</i></p>
12:30 – 12:50	<p>Jakub Štolfa (Technical University of Ostrava, DRIVES Project Manager): Disruptive Changes in Automotive Sector Brings New Skills Needs</p> <p><i>Moving towards an autonomous driving, digitalized and connected world generates cross-sectorial changes, resulting in major disruptions and opportunities for innovation, which naturally brings changes in society. It comes hand by hand with changes in the workforce followed by changing skills demand that influence the way people work. DRIVES promotes a shared approach to develop sustainable and concrete actions to meet the short and medium-term skills required in the whole automotive sectorial value chain.</i></p>
12:50 – 13:25	Discussion
13:25 – 13:30	Martin Králík (Roboauto): Introduction for the presentation of of Czech self-driving car
13:30 – 14:00	Break for lunch

THURSDAY AFTERNOON

14:00 – 16:00	<p>Demonstration place – Premises of Transport Research Centre:</p> <ol style="list-style-type: none"> 1. real demonstration of Czech self-driving car (https://www.roboauto.cz/) 2. technical visit of truck driving simulator
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HOW TO GET TO US

Transport Research Centre (CDV) is located in the eastern part of Brno in Líšeň. The venue is easily reached from the city centre by taking the tram number 12 to the final stop Juliánov. The journey takes less than 15 minutes. CDV is located about 10 minutes by walk uphill. 60 minute ticket for 25 CZK (approximately 1 Euro) comfortably covers the entire journey. Tickets can be bought in yellow vending machines.

GPS: 49.1971817N, 16.6609747E



TAXI: CITY TAXI: +420 542 321 321, IMPLUS TAXI: +420 542 216 666



How to get to Brno by airplane

There is a local airport in Brno, take a bus:

bus number E76 Brno Airport - Main Station (journey time approximately 20 minutes), or bus number N89 Brno Airport - Main Station - night bus service, in operation between 11:00 pm and 05:00 am (journey time approximately 20 minutes). Bus stop is in front of departure terminal.

Other possibilities are to fly to Prague or Vienna.

From the Prague Vaclav Havel international airport to Brno

We suggest you to take the bus AE Airport Express (it departs from a platform in front of the airport) to Praha hl. nádraží (Prague main train station), which is just in the center of Prague. One journey takes about 35 minutes and the main train station is the final stop of this AE bus. You can buy your ticket at the AE bus driver, prepare 60 CZK (about 2,4 EUR) or you can buy your ticket in advance (to the main train station or even to Brno, if you plan to take a train of the Czech railways - more information here: <https://www.cd.cz/en/>).

From the Vienna airport / Vienna train station to Brno

The most comfortable way how to get from Vienna to Brno is to take a bus of the Student agency travel company from Vienna airport or Vienna center to Brno, see <https://bustickets.studentagency.eu> (the buses arrive and depart just in front of the airport), one journey takes about 1.5 hours.

You can also take a train from Wien Hbf (Vienna main train station) to Brno hl.n. (Brno main train station), online tickets are available here: <https://www.cd.cz/en/eshop/>.



From the main train station in Prague to Brno

You can take a train or a bus. A trip takes about 2.5 hours.

1. Czech railways: It is possible to go by EC trains of the Czech railways - you can buy ČD tickets online: <https://www.cd.cz/en/eshop/> or directly at the ticket office of the main train station. There are trains departing every 1 hour to Brno.
2. Student agency: You can take a bus of the Student agency from Florenc bus station or a train of the same company from the main railway station (yellow trains and buses with good on-board services). More information can be found here: <https://bustickets.studentagency.eu> (Prague main train station – Brno).

Registration: <https://www.cdv.cz/workshop-as-part-of-the-austerlitz-declaration>