

PRE-HACKATHON



12 October 2021

Pre-Hackathon Workshop at ITS World Congress -Hamburg

16.30 - 18.45 CET







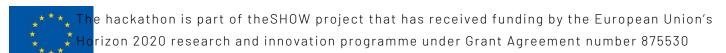
















PRE-HACKATHON

Are you interested in knowing more about Connected, Cooperative, Automated Mobility (CCAM) and how it can benefit citizens and society? Would you like to help us improve our automated mobility services? We warmly invite you to participate in our SHOW PRE-HACKATHON workshop that will take place at the ITS World Congress in Hamburg on Tuesday 12th October 2021, 16.30 – 18.45 CET.

The workshop will bring together a team of world class international, multidisciplinary experts and offers a unique opportunity to jointly visualise, conceptualise and develop ideas and visions for the mobility of the future. The aim of this session is to develop innovative solutions to increase user acceptance and user benefit of automated mobility, focusing on three challenges:

- Human assistance stand-by in case of problems: People may feel unsafe using an automated vehicle if there is no safety driver. Cameras on board could automatically detect a problem (using AI) and notify the control center which, if needed, can send someone to help.
- Adapting capacity to increase in demand in a flexible way: Surplus demand (e.g. due to peak hour, large events, unforeseen circumstances) can be addressed by quickly deploying additional automated buses, to be summoned from a nearby bus depot.
- Accessibility and assistance for persons with reduced mobility: How can we ensure that persons with reduced mobility can travel independently how can we keep them informed (e.g. through audio-visual messaging) about accessibility, and how can they notify any need for assistance?

How? During the workshop, guided by our SHOW expert team, we will work on first prototype solutions that address these three challenges.

Important to know: your input will inspire our SHOW Hackathon (23-24-25 November), during which the ideas and prototype solutions gathered will be further developed and refined, aiming for mature solutions that are ready for market and perhaps even included in one of the SHOW project's live pilot demonstrations.























PROGRAMME

16.30

WELCOME AND BEGINNING
OF THE PRE-HACKATHON

INTRODUCTION TO SHOW 16:30 - 16:40

INTRODUCTION TO THE 16:40: - 17:00
THREE CHALLENGES AND

WORK ASSIGNMENT

COFFEE BREAK 17:00 - 17:15

TEAM WORK 17:15 - 18:15

REPORTING BY THE GROUPS 18:15 - 18:30 ON THE CHALLENGES

CONCLUSION AND NEXT 18:30 - 18:45
STEPS

END OF THE 18:45
PRE-HACKATHON

Background SHOW

SHOW (SHared automation Operating model for Worldwide adoption) aims to support the deployment of shared, connected and electrified automation in urban transport, to advance sustainable urban mobility. During the project, real-life urban demonstrations taking place in 20 cities across Europe will see the integration of fleets of automated vehicles in public transport, demand-responsive transport (DRT), Mobility a Service (MaaS) and Logistics as a Service (LaaS) schemes.

SHOW aims to be the biggest and most holistic ever initiative piloting automated vehicles in urban environments. It gathers a strong partnership including 69 partners from 13 EU-countries and fosters international cooperation by collaborating with organisations from the US, South Korea, Australia, China, and other countries. The SHOW project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875530.

















