



2020 On-line College Tour Automated Driving Spatial and Transportation Impacts and Meaningful Human Control

Webinar 3 Mobility





Introduction

- Senior business developer at TNO
- Focus on Smart, Safe and Sustainable Mobility
- Cooperation with cities and regions

Affinity with the presentations of today:

- COVID-19: we all experienced that our activity patterns changed a lot.
- Lack of space in cities: how to get the positive impacts of mobility and minimize the negative?



Today



- Microphone and video off



- Questions via chat



- Presentations

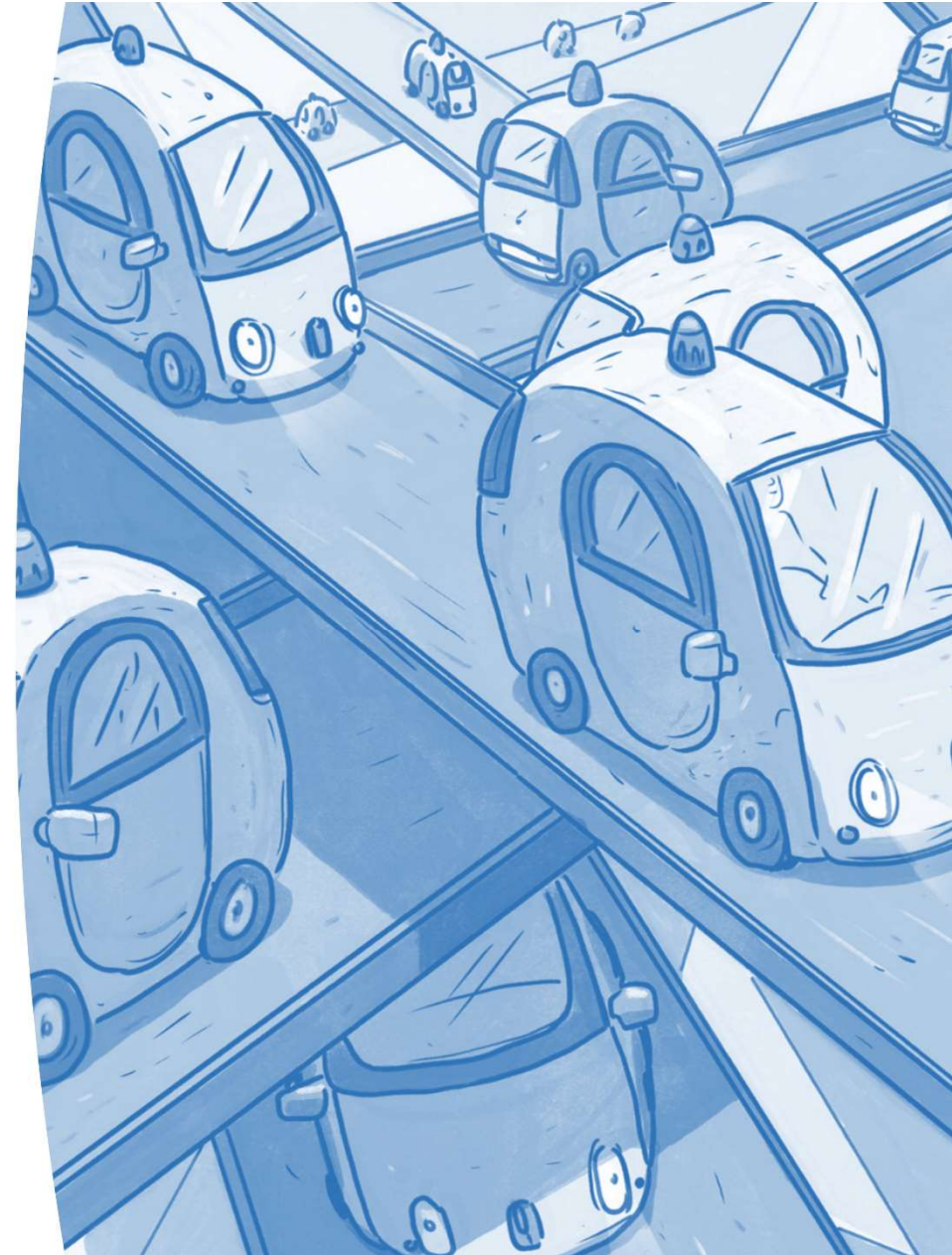
<https://stad.tudelft.nl>



- Recording

Agenda

- 15.00 – 15.10 Introduction Natascha Agricola
- 15.10 – 15.30 Baiba Pudane – A day in the life with AVs
- 15.30 – 15.50 Francis Ostermeijer – Parking implications of AVs
- 15.50 – 16.10 Giulio Mecacci - Automation, responsibility and meaningful human control
- 16.10 – 16.30 Questions



In 2022: how will our travel behavior change due to COVID-19?

Not taking into account the higher levels of automation

- A:** Not at all (same modes and use)
- B:** Less public transport in favor of car or bike
- C:** We travel less, on all modes.
- D:** No change due to COVID-19, more use of shared mobility and public transport (MaaS)
- E:** Other



In 2035: how will our travel behavior change, when compared to pre-Corona travel behavior?

Including high levels of automation (50% penetration)

- A:** Not at all (same modes and use)
- B:** Less public transport in favor of AV or bike
- C:** We travel less, on all modes
- D:** We travel more, including use of shared mobility and public transport (MaaS)
- E:** Other



A day in the life with AVs

- Will AVs change what we do during travel?
- Will AVs change our other daily activities?
- Is Value of Travel Time a good measure to capture these changes?



Baiba Pudane

25-06-2020



Francis Ostermeijer

Parking implications of AVs

To what extent will changes in parking costs affect residential and visitor car use in cities?

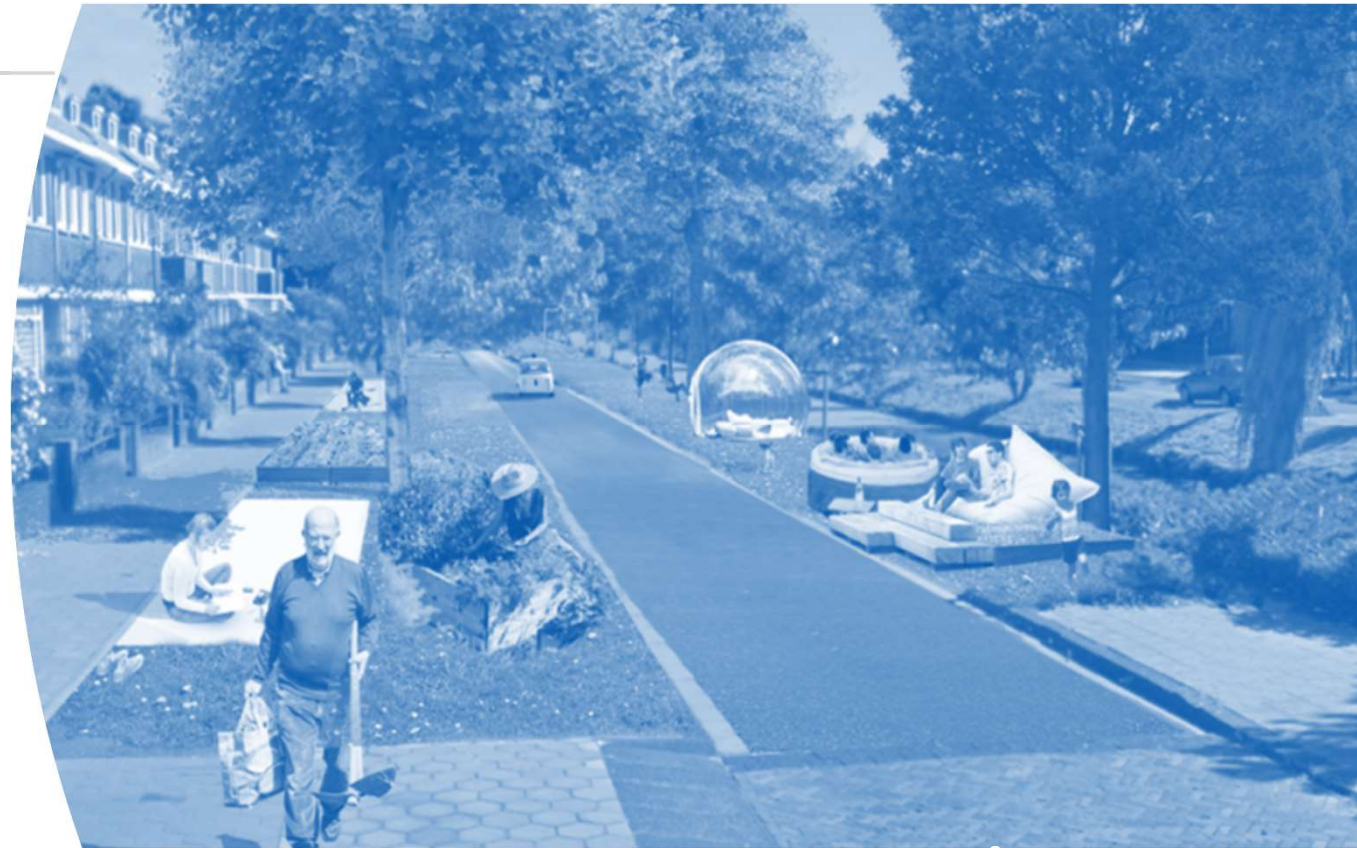


Illustration by Anca Ioana Ionescu and Rients Dijkstra, ©Robocar Evolution

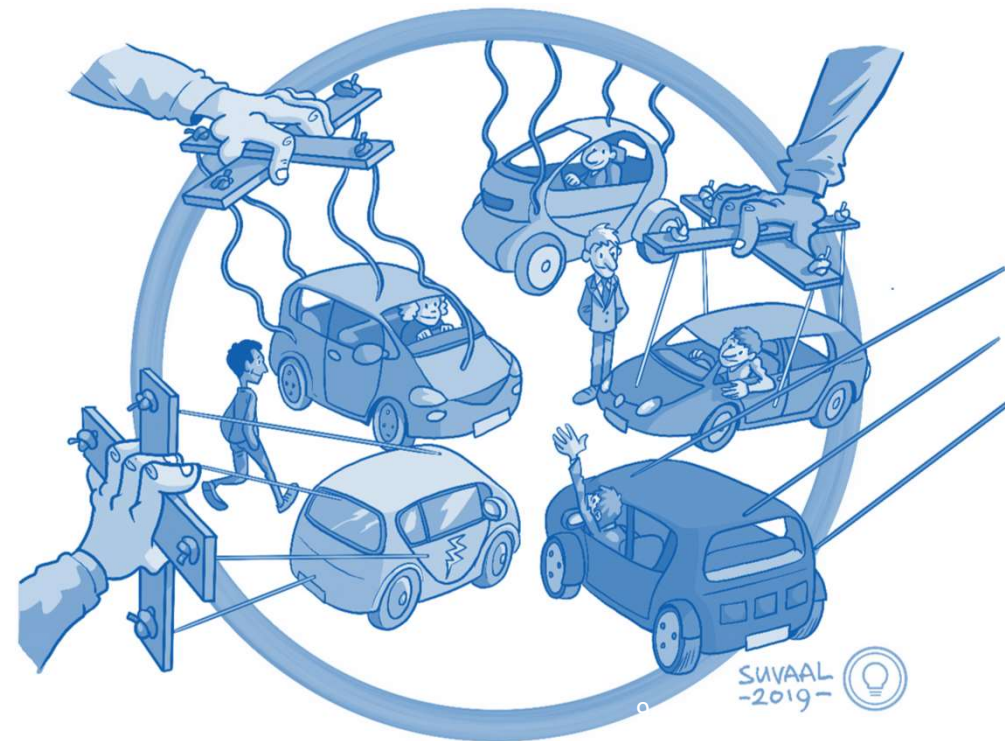
25-06-2020

Automation, responsibility and meaningful human control



Giulio Mecacci

- Focus in this talk is human responsibility
- Is it possible to join human control and very high levels of automation?
- What is control about, and what does it mean to control something?
- Could a form of control be achieved to keep us responsible and safe?



Next webinar Freight/Platoon

27th August

15.00 – 16.30 h

- **Anirudh Kishore Bhoopalam** - Spatial and temporal synchronization of truck platoons
- **Simeon Calvert** - What does vehicle automation with Meaningful Human Control mean in practice?