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# Automated Driving as Responsible Innovation (PPT)

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AutoMotive Week 2017
Where Smart Mobility meets Traffic

# Automated Driving as Responsible Innovation

Marije de Vreeze & Bart van Arem

Connekt
DAVI ONTHEROAD
TU Delft

# Program

- Introduction
- Panel discussion
- Mobility for Society Challenge

Automated cars can improve traffic efficiency and safety

Netherlands to facilitate large scale testing of automated cars

# Rivium Buses (Rotterdam)

Automated Driving as Responsible Innovation

## Driver assistance/ Partial automation

Driver needs to be able to intervene at all times

Automated parking, autocruise

## Conditional/ High automation

Vehicle in control in special conditions

Taxibots, platooning, automated highways

Comfort, efficiency, safety, costs

Mode choice, location choice, urban and transport planning

Automated Driving as Responsible Innovation

TU Delft

Connekt

See also SAE 2016

# The role of ethics?

… so much more than robot-dilemmas

| | | | | |
|---|---|---|---|---|
| Responsibility | Values | Triple helix | Equity, fairness | Collaborative design |
| Privacy | Security | Testing | Sustainability | Mixed traffic |
| Authority transitions | Laws and regulations | … | | |

"Congratulations, you are now responsible for the safe control of the truck behind you".

"What?"

# Panel discussion

Marieke Martens

Pieter van der Stoep

Sjoerd van der Zwaan

# Mensen moeten altijd controle houden over het gedrag van een voertuig

# Automatisch rijden vergroot de kloof tussen rijk en arm

# Als je echt wilt dat automated driving werkt, moet je programmeren dat de software de wet overtreedt

# Zelflerende software in automatische voertuigen moet worden verboden

# DUTCH MOBILITY FOR SOCIETY CHALLENGE

## WHAT IS THE CHALLENGE?

With the Dutch Mobility for Society Challenge Connekt calls for ideas and concepts that focus on the application of new technologies for societal impact, on what-if ideas, in-the-box or out-of-the-box. The categories for the challenge are:

- Drones
- Automated driving
- Mobility as a Service
- Bikes
- Logistics

## WHAT SHOULD THE SOLUTION LOOK LIKE?

We don't reward thick reports, we do reward stories, video's and visualization of your dreams and how this will work in practice. Your idea will be judged on societal relevance, feasibility and creativity.

## MORE INFORMATION & REGISTRATION

Website: www.mobility4society.nl | E-mail: info@mobility4society.nl
Twitter: @ConnektNL #mobility4society