

Smart Mobility panel summary

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DIGITAL
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2017

digital
transformation

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Panel discussion



DIF2017

- How to find priorities for implementation and how to implement?
 - City of Amsterdam: learning by doing (pragmatic approach) → living lab approach
 - France: stepwise → connectivity and then automation

Panel discussion



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- Security
 - Gbit level to 10GBits level (car data increases)
 - Multi-communication channels (mix of technologies! 5G, UWB etc)
 - Upgradability of security mechanisms during life-time of a car → research questions of today (not yet solved)

Panel discussion



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- Security – how to test?
 - Do have OEMs to share everything?
 - Autonomy: Bad driver vs. better driver
 - Certification tests instead (cars will always feature different technologies)
 - EuroNCAP for security (rating)
 - Number / kind of scenarios

Panel discussion



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- Moore's law has changed (Stanford article)
 - Slows down
 - SW becomes more and more important
 - SW intense vehicles
- Upgradability of HW components
 - Subject of research
 - Natural evolution
- Extendibility of car configuration
 - Has to be considered in the design phase
 - No process in place right now

Panel discussion



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- V2X in different countries
 - Addressed by today but not yet implemented
 - Corridor experiments
 - Current use cases might change in 10 years → we have to be dynamic and adopt to new mobility
- Public transport
 - Diverse mobility
 - Can technology be transferred?

Panel discussion



DIF2017

- Evolution of the car of tomorrow
 - Infrastructure sensors might lower costs
 - Question of policy
 - Shared mobility
 - Cars will “just” be a commodity
 - Society with no individual car ownership “Mobility as a service”

Panel discussion



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- How to train cars and how to practice “drivers” of the future?
 - Tons of data how driver behave (no automation)
 - Include not deployed features already now to generate new suitable data
 - Process of type certification is missing

Panel discussion



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- Timeframe of e-mobility and automation
 - E-mobility (Norway example)
 - Automation: 2030, 2040, 2050 (progressive, conservative)
 - Shared mobility (new entrants like Uber etc.)
 - Mistakes help (see VW)

- Anyway, it will come!



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Thank you for your attention