Wanted: Brave new regulatory framework for the transport automation

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Solemn need for the ”Big Picture”

Traffic rules
- Vehicles must comply with
- Safety and security

AI regulation
- Accountability
- Transparency

Privacy, liability etc.
- Other forums
- Has to be taken into account!

Technical rules
- Technology neutral
- Performance based
Developing AI ethics in transport automation

- Horizontal ethical principles
- Advanced sectoral ethical principles for transport automation
- Tools to implement the ethical principles (e.g. regulation)
Highly and fully automated vehicles, accountability shift and algorithmic transparency

Automation assisting the (human) driver (e.g. ADAS)

High automation
Outside ODD
Within ODD

Full automation
No ODD limitations

(Human) driver accountability

AI stakeholder accountability

Accountability is based on algorithmic transparency
How can we create TRUST?

Explainability → Traceability

Trust in AI

Transparency ← Interpretability
Thank you!

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