



SEMINAR: VEHICLE DYNAMICS FOR AUTOMATED DRIVING



MAY 31, 2017, MW-HALLEN, SCANIA, SÖDERTÄLJE

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Purpose with the seminar:

- Present and discuss interesting issues within and challenges for Vehicle Dynamics for Automated Driving
- Develop and increase competence
- Create understanding and interest for vehicle dynamics
- Networking between Engineers, Organisations and Students



The seminar is initiated by SAFER Vehicle Dynamics Competence Area with representatives from: AstaZero, Chalmers, KTH, VTI, NEVS and ÅF Automotive, Scania, Volvo Cars, Volvo GTT

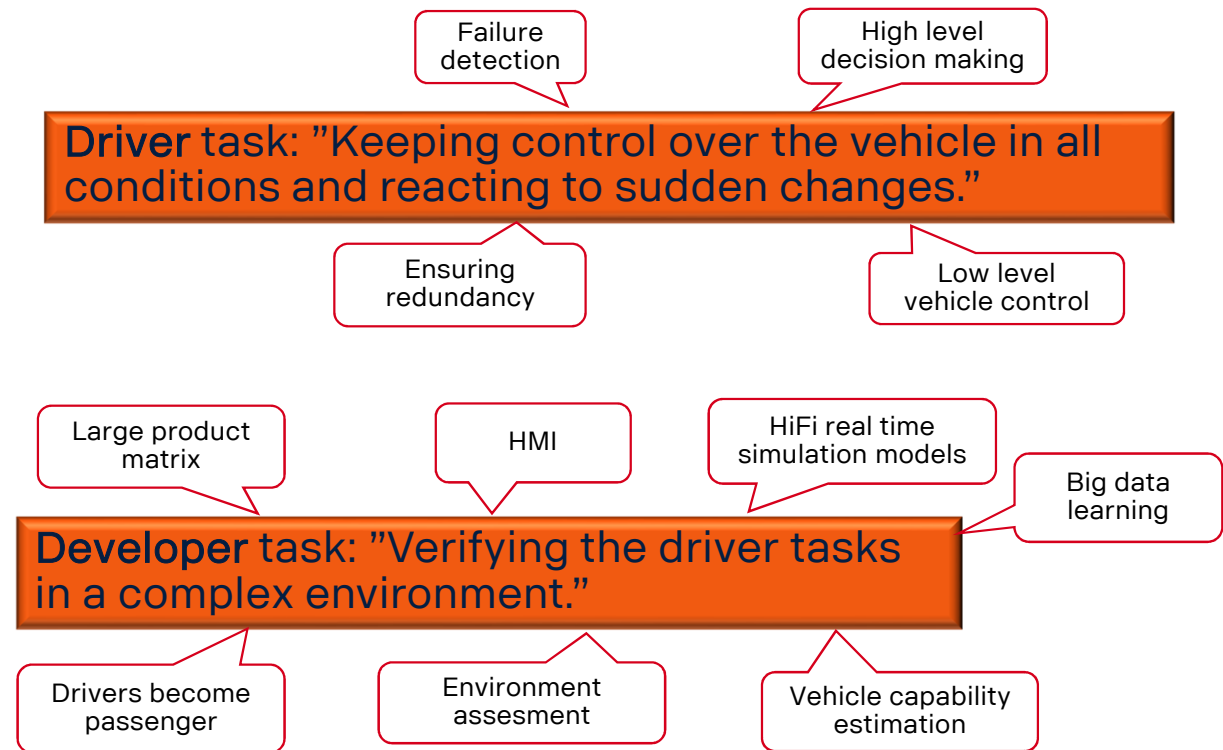


JOLLE IJKEMA

VEHICLE DYNAMICS FOR AUTOMATED DRIVING

SCANIA

Do we need vehicle dynamics without a driver?



Yes we do!

AGENDA:

VEHICLE DYNAMICS FOR AUTOMATED DRIVING

Moderator: Lars-Gustaf Hauptmann

09:30-10:00 Registration and coffee & Poster session

10:00-10:15 *Welcome from Scania, Jolle Ijkema and SVEA, Lars Drugge*

10:15-11:45 Lecture session 1:

- *Fail-operational chassis for highly and fully automated trucks*, Malte Rothhämel, Scania
- *Creating a seamless Driving Experience*, Per Ola Fuxin, VCC
- *Legal regulations on autonomously driven vehicles and their implications to vehicle dynamics and control*, Fredrik Bruzelius/Wanna Svedberg, VTI

11:45-12:45 Lunch

12:45-14:15 Lecture session 2:

- *Pilot Assist 2*, Matthijs Klomp, VCC
- *Long Combination Vehicle lane keeping and lane change support*, Peter Nilsson, Volvo GTT & Chalmers
- *Fast and precise brake actuation for motion control and redundant brake and steer of heavy vehicles*, Jim Crawley, Haldex Brakes

14:15-14:45 Coffee & Poster session

14:45-15:45 Lecture session 3:

- *Active safety and automation - testing today and tomorrow*, Niklas Lundin, AstaZero
- *Test vehicle resource ITRL at KTH*, Lars Drugge/Mikael Nybacka, KTH

15:45-16:15 Wrap-up