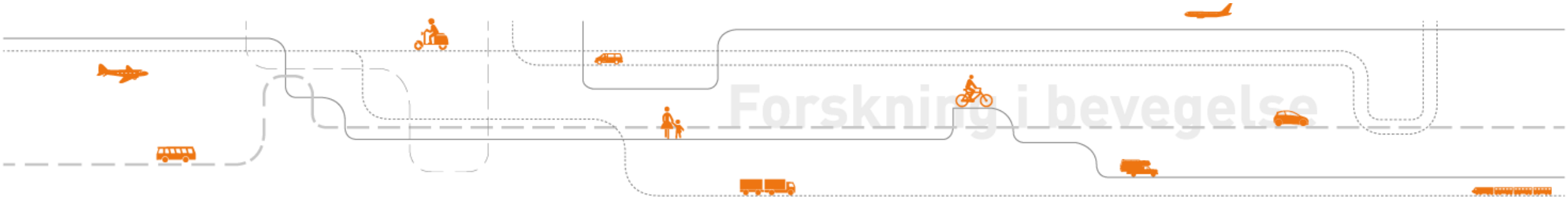
# Intelligent Transport Systems group

Alexander Eriksson



# Group composition

- Primary competencies in Human Factors (Psychology)
  - *Alexander Eriksson – Chief Research Engineer*
  - *Marjan Hagenzieker – Researcher and Professor of Traffic Safety at TUDelft*
  - *Espen Johnsson – Computer Scientist*

- With plans to expand in:
  - *Machine learning*
  - *Big Data Science*
  - *Human Factors with Engineering background*

# Focus

- The group currently has a Human Factors focus, with the aim of assessing interactions between AV's – drivers, road users from a vehicle perspective i.e.:
  - *Effects of HMI*
  - *Vehicle behavior in response to road user behavior (utilising data from on-board sensing )*
  - *Driver – vehicle interaction*
  - *Vehicle – infrastructure interaction*

# Projects and applications

- Involvement in the recently funded Drive2TheFuture H2020 project.
- Involvement in a national project (Autobus) on driverless shuttles.

Currently involved in a number of project acquisition processes:

- EU
  - *MG-2-7-2019: Safety in an evolving road mobility environment*
  - *MG-4-5-2019: An inclusive digitally interconnected transport system meeting citizens' needs*
- National:
  - *Driver training for contemporary and future ADAS systems*
  - *ADAS system utilisation among consumers, obstacles and enablers for adoption*

# Thank you.