The automotive field is in the midst of a technological transformation. In the traditional segment where a driver controls the vehicle, the automation level is gradually increased, as witnessed by the ever more sophisticated highway autopilots. At the same time, a new self-driving vehicle segment is emerging where a human driver is no longer necessary - these vehicles provide a mobility service for going from location A to location B.

Why do self-driving vehicles make sense?
What are the remaining research challenges?
How can the newly founded Intelligent Vehicles group at TU Delft contribute?
When will these vehicles come about?
This inaugural speech will outline the prospects.