

What it is?

A technical competition for students in the field of **autonomous driving**, on model cars at **1:10 scale**, mimicking **real-driving scenarios**.

What background do you need?

The more **expertise in the team**, the better. Some of the covered topics in the project are Computer vision, Vehicle control, Hardware design, Software design, Python coding, Parallel computing and many more!

What's there to gain?

- General overview in the field of autonomous driving
- Interaction with Bosch experts during the entire competition
- Attractive prizes
- Internship opportunities



present



Bosch Future Mobility Challenge

What needs to be developed?

- The **minimal features** are the following:
- Lane keeping and intersection navigation.
  - Recognition and reaction to road elements (e.g.: signs)
  - Reacting to road participants (e.g.: cars and pedestrians)
  - Geo-localization-based components (e.g.: dynamic driving)
  - Other driving scenarios.

What's provided?

- Fully working model vehicle
- Firmware for car control and APIs for shared systems interaction
- Demo code for car control
- Dashboard for monitoring car states
- Plenty of documentation, guidelines and code example
- Bosch mentorship



DO YOU WANT TO JOIN?  
HERE ARE THE STEPS!



More details on  
[www.boschfuturemobility.com](http://www.boschfuturemobility.com)

