

Driver Interface

Brake and Steering System



What is the Driver Interface?

Our group is responsible for all systems with which the driver or the software interacts. We distinguish between the steering system and the braking system as well as their respective actuators in autonomous driving mode. The pedal box, together with the brake system, is responsible for acceleration and braking in normal and autonomous operation. Particularly in the braking system and the brake actuators, there are some requirements imposed by the regulations on this safety-relevant system. Reliability and weight saving are always in the foreground during design and simulation. In order to achieve fast lap times, precise and play-free steering is essential for our drivers. In addition, a steering actuation system is used in autonomous driving, the integration of which into the overall vehicle is also a challenge.

What will be your tasks?

- Familiarisation with the brake and steering system
- Development and elaboration of the entire system as well as individual components
- Design with Siemens NX
- Simulation with Nastran
- Assembly, maintenance & documentation of your assembly
- Collaboration on cross-group tasks (e.g. testing, manufacturing)
- Participation in team and group meetings

What are our requirements for you?

- Motivation and team spirit
- Basic mechanical knowledge
- Craftsmanship
- Attendance at weekly appointments
- Ideally previous knowledge in the use of CAD programmes
- Ideally knowledge of machine design
- Good German/English skills

One Goal.
One Team.

Would you also like to accompany your component from CAD to the race track? Apply on our homepage!



www.ecurie-aix.de/bewerbung

