

Summer 2019

Questions about projects? Please contact the faculty advisor directly.

Advisor: [Professor Maurice Kettner](#)

In the field of energy-monitoring- and management in Smart-Grids

- Design of visualization and usability of energy flows of combined heat and power plants (CHP units) on a touch screen
- Integration of weather data in test benches
- Solution design: Connection of CHP units with eMobility (charging station)

Advisor: [Professor Reiner Kriesten](#)

“Development of a connected black-box recorder for the automotive domain”. This project contains the analysis and development of a black box which is connected to the car network (CAN-Ethernet) and which stores relevant information of certain events happening during vehicle lifetime (not only “last seconds” before a crash). Furthermore, the black-box recorder should optimally be able to transform some data during its operation over-the-air to a backend where the information is structured in a database.

Advisor: [Professor Dr.-Ing. Klemens Gintner](#)

In the field of sensors for different applications like energy efficient sensor systems:

- “Artificial sensor egg” for the evaluation of the breeding of bird process in eggs or
- Sensors for the measurement of properties of snow
- Signal conditioning for capacitive sensors

Information about the HAWTech summer program is forthcoming.