

Hochschule Karlsruhe - Technik und Wirtschaft
University of Applied Sciences

Summer 2020

Questions about projects? Please contact the faculty advisor directly.

Confirmed Projects

Advisor: [Professor Maurice Kettner](#)

Prof. Maurice Kettner is the Dean of Studies of the Bachelor Degree Program Vehicle Technology. He lectures on machine elements and combustion engines.

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 an Energy management System
- Combustion system research on gas engine test beds

Tentative Projects

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

Prof. Dr.-Ing. Klemens Gintner is the Vice Dean of the faculty of Mechanical Engineering and Mechatronics. He lectures on electronics and sensors.

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 and/or a new stick/slip-sensor