At the Institute for Combustion Engines (VKA) under the direction of Prof. Dr.-Ing. (USA) Stefan Pischinger, research on all topics concerning the vehicle powertrain is conducted. Core focus is still the research on conventional combustion engine development like the implementation of innovative engine designs, fundamental research on more efficient combustion processes also in combination with alternative fuels or the improvement of the engine mechanics and aftertreatment systems. Additional research areas include virtual engine development, hybrid powertrains, electromobility as well as fuel cells and mechatronics for combustion engines. At any time, research is closely associated with the ongoing development of intelligent methods for test procedures and engine calibration.

Master Thesis

Start: from now

☐ Faculty 1 - Mathematics, Computer Science and Natural Sciences
☒ Faculty 4 - Mechanical Engineering
☒ Faculty 6 - Electrical Engineering and Information Technology

Development of innovative Micromobility Concepts

The mobility transition is just around the corner! Micro-mobility solutions are becoming increasingly important in shaping the future mobility experience. The focus is on products that complement current mobility solutions. As part of an innovative team, your tasks will include the conception of future solutions, the further development and elaboration of new near-series products as well as the supervision of proto-type design and the creation of production portfolios. Would you like to take part in the course set of mobility transition? We are looking forward to your application!

Your profile:

- Above-average study performance in the field of design
- Safe handling of CAD software
- Profound knowledge in the area of production
- Excellent analytical and communication skills
- High commitment and dedication
- Strong creativity and team spirit
- Very good written and spoken English skills

Would you like to know more?

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