

Habilitation criteria KIT Faculty of Mechanical Engineering

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By granting the *venia legendi*, the faculty recognizes that habilitated persons are capable of holding a professorship in a specific subject area in mechanical engineering. The purpose of the habilitation thesis and the habilitation procedure is to provide the corresponding proof. Habilitation candidates must therefore demonstrate that they are capable of

- independently formulate a research topic in a subject area relevant to the faculty^[1] and present it at an *internationally* competitive level,
- to fully represent the research subject internally and externally as an expert,
- to independently formulate and submit funding applications in this subject,
- to communicate the subject to the students of the faculty in its importance within the field and in the wider context of mechanical engineering and
- successfully supervise research work and doctorates in this subject.

The research subject should at least have a certain independence within the faculty. If the subject area is already represented within the faculty, it should be expanded by the habilitation candidate in a way that is relevant to the faculty.

Proof of expertise is provided by the publication of original results in internationally recognized and peer-reviewed journals. Review articles are welcome, but do not replace proof of independent creative scientific work.

In the area of teaching, habilitation candidates are expected to independently design a course in their own subject and supervise it over a longer period of time. Collaboration with other lecturers is permitted, but an independent contribution of at least 50% by the habilitation candidate should be clearly identified and demonstrated. The guidance and academic support of students, doctoral candidates and early career researchers is a key component of the habilitation. All habilitation candidates are expected to have supervised several scientific Master's theses from formulation to completion and at least one doctoral thesis up to the doctoral stage.

The habilitation thesis should document the new results achieved by the habilitation candidate in the research subject and present their scientific significance. The results should be presented didactically in the thesis and placed in the context of the field. In addition to the publications on which it is based, the publication should have a recognizable scientific added value and should make it easier for interested specialists to access the subject area and the research results produced by the habilitation candidate.

The provisions of the habilitation regulations apply to the formal fulfillment of the criteria.