

Information for submission and presentation of the dissertation proposal for the thesis areas Informatics, Information and Communications Engineering and Technical Mathematics

The dissertation proposal must be presented in a university public presentation in front of the responsible doctoral advisory committee within the first year of study. The doctoral advisory committee recommends presentation of the dissertation proposal only if research problem, research questions, goals and expected innovation can be clearly addressed.

The current presentation dates and submission deadlines can be found at [deadlines and dates](#).

Submission

You must submit the thesis proposal acceptance form (DISS1) including the research proposal (exposé) and the chosen presentation date as well as the thesis agreement (DISS2) electronically via the study portal *in due time*. Please note that submissions after the specified deadline cannot be considered.

The exposé must include the current state of the art, the objectives, the planned research methods and the work plan of the proposed dissertation. It should have a length of 3-5 DIN A4 pages.

The abstract (about 250 words) should comprehensively describe the proposed dissertation topic for the members of the Faculty of Technical Sciences.

Thesis agreement (DISS2)

The doctoral program in technical sciences requires coursework (examinations and other activities) of at least 16 ECTS and at most 32 ECTS credits.

The following coursework can be allocated to *examinations (§3 2a)*:

- subject-related courses that are not part of a bachelor's degree programm,
- courses for doctoral degree programmes,
- privatissima and
- seminars.

At least 14 ECTS credits must be included in the thesis agreement for examinations.

The following coursework can be allocated to *other activities (§3 2b)* provided that they *relate to the topic of the dissertation*:

- summer schools,
- publications,
- own teaching activities, and
- activities completed at other universities.

At least 2 ECTS credits must be included in the thesis agreement for other activities.

Certificates of achievement of other activities must be defined with the supervising and advising persons in the thesis agreement. For publications, the thematic relevance to the dissertation must be documented with the help of keywords or exemplarily enlisted publication media. Furthermore, the type of publication and the desired quality indicator must be specified.

The following table gives some examples of a suitable description for publications:

No	Activity	Certificate	ECTS credits
1	Conference paper of cat. I, e.g., at ICRA, IROS or RSS	Publication	2
2	Journal paper of at least cat. II on „multi-robot networking“	Acceptance notification	4
3	Conference paper at IROS (cat. I)	https://doi.org/10.1109/IROS.2018.8594493	2

Publications that are part of a publication-based (cumulative) doctoral thesis cannot be included in the doctoral thesis agreement.

At most 12 ECTS credits can be allocated to seminars and privatissima, and at most 2 ECTS credits can be allocated to summer schools. At least 1 seminar must be included in the thesis agreement.

If the dissertation is part of a thematic doctoral program, the coursework must be stated in accordance with the requirements of the thematic doctoral program.

Presentation

The duration of the dissertation proposal presentation should be 15 minutes. The presentation should discuss the relevant state of research, the goals and research questions as well as the (planned) methods of the dissertation proposal. The presentation will be followed by a 5-minute discussion.

Supervisors and advisors should attend the presentations and can comment on the dissertation proposal in the non-public part of the doctoral advisory committee meeting.

Reviewers (DISS3)

The doctoral advisory board asks to avoid suggesting biased reviewers. A co-authorship definitely constitutes a bias.

Additional Information

- [Information about doctoral degree programs at University of Klagenfurt](#)
- [Guidelines issued by the rector of studies on coursework to be completed in doctoral programmes](#)
- [Guidelines issued by the rector of studies on cumulative doctoral theses](#)

Contact

Prof. Dipl.-Ing. Dr. Wolfgang Faber ([wolfgang \[dot\] faber \[at\] aau \[dot\] at](mailto:wolfgang.faber@aau.at))
Christine Seger ([christine \[dot\] seger \[at\] aau \[dot\] at](mailto:christine.seger@aau.at))