

**Guidance for the
Postdoctoral qualification talk**
Ersteller: J. Rhe, Version: 26022016

The purpose of your postdoctoral qualification talk, which is officially called the „oral examination“, is the following

- showing, that you are capable to describe a specific, complex scientific topic and to present it to an expert audience.
- Showing , that you are able to conduct a scientific discussion.

You shall direct your talk to professors who are familiar with the topic as well as to professors who are from other fields. Even if the talk is public, it is necessary that you direct your talk to this audience.

It is expected that, that you are able to explain a scientific topic, which does not belong to your research subject, to an audience in appropriate depth and in didactically good manner.

This talk complements the demonstration lesson / lecture or equivalent lectures, which are directed to the students lectures.

The topic of the talk should arise from your field of research (i.e. Microsystems Engineering, Computer Sciences or Sustainable Systems Engineering), but shall explicitly be different from your own specific research field. Especially the topic shall be quite different from the topic of your habilitation thesis.

The scientific research area is demonstrated during the presentation, which takes place before the habilitation process is started. The postdoctoral qualification talk should last approx. 30-40 minutes. Even if not all aspects of the topic can be discussed in depth, all main themes and problems of the topic must be introduced. Important questions, which cannot be discussed in detail, should be mentioned briefly.

After the talk there will be a discussion showing the capability of the candidate to lead a scientific debate and that he/she is able to represent his/her own position in an adequate way.

Only the professors and lecturers of the faculty are allowed to speak and ask questions.

The candidates should defend his statements against possible objections and show furthermore, that she or he masters the basic research areas of his area of expertise.

The questions should be answered comprehensively but on an appropriate level according to the level of the audience.

The habilitation committee will select one theme for the talk out of the three themes proposed by the candidate and inform the candidate at least three weeks before the scheduled date of the talk. Please beare in mind the abovementioned explanations when submitting the themes for the talk together with the application to open the habilitation process (§ 8 HabilOrdnung).

Please include an abstract to the proposals to facilitate the decision of the Habilitation Committee.