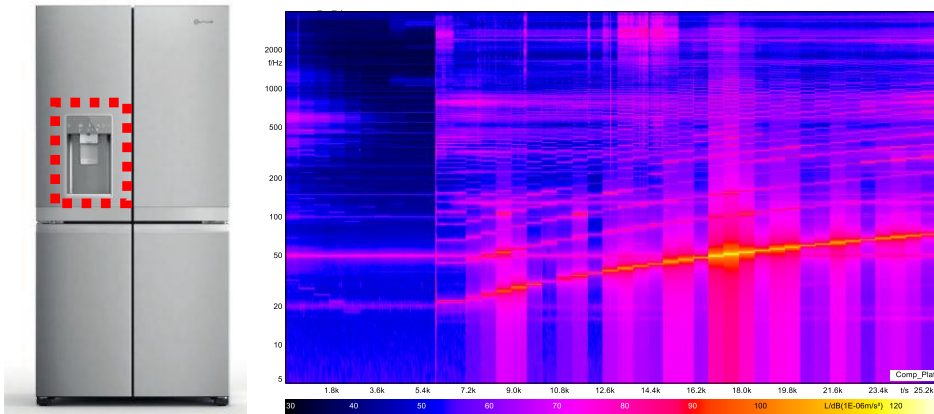


STUDENTISCHE HILFSKRAFT

Chair of Acoustics and Haptics is looking for a student (**SHK Stelle, 5-10 h / Week**) for the topic of **refrigerator noise reduction techniques**. Research question has two main components:

1. **Noise reduction methods of an ice and water dispenser unit of a refrigerator**
2. **Noise considerations of a refrigerator in real living environments in comparison to the average background noise.**

The position is limited for 3 months at the beginning. The duration of the employment is according to the WissZeitVG.



The position takes place in the context of an **industrial research project** on the **sound quality improvements of refrigerators**. Tasks include, but are not limited to, one or more of the following:

- Conducting vibro-acoustical measurements with the refrigerators and refrigerator components, data analyses and reporting
- Realization of structural changes in refrigerator components and conducting comparison measurements
- Conducting background noise measurements, data analyses and reporting

Requirements:

- Being a student in *Elektrotechnik / Mechatronik / Maschinenbau* or similar fields
- Prior knowledge on acoustics and vibration
- Good measurement practices, working and presenting the gathered data in a structured way, very good knowledge of MS Office applications
- Fluent English

Female candidates are strongly encouraged to apply. The same applies to people with disabilities.

If you are interested, please contact:

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