

Thesis Bachelor/Master

Development and evaluation of an electrical circuit for a novel moisture measurement method

The working group Smart-Textiles at the University of Applied Sciences Kaiserslautern in Germany and the Biomedical Device Engineering group of the Faculty of Engineering Technology: Electronics-ICT are currently looking for a student for a thesis with a focus on electronics development.

We are currently working on a new method to measure the moisture (sweat) in textiles or in the skin. As part of your thesis, you will design and test a mobile measurement setup for an existing sensor and a measurement principle. The work is part of the transnational cooperation between UHasselt and UAS Kaiserslautern, Campus Zweibrücken.

Most experimental work can be carried out either in Hasselt or in Zweibrücken, depending on the student's preference. The cooperation between the two working groups will be organized through video conferences and short stays.

You should bring:

- Basic knowledge of electrical engineering.
- Ideally knowledge of signal processing.
- Reliable, independent and solution-oriented work
- Good command of English
- Willingness to travel

That's what we offer:

- Exciting work and a friendly working environment
- Supervision and support for the final thesis
- Personal challenges and further development

If you are interested, please contact:

- Prof. Thoelen: ronald.thoelen@uhasselt.be,
- David Schönfisch: david.schoenfisch@hs-kl.de or
- Prof. Picard: antoni.picard@hs-kl.de