

Wireless in-ear devices are becoming increasingly „smart“. Smart hearables could soon take over many of the functions of today's smartphones. However, to do so, they must be equipped with tiny, energy-efficient and cost-effective microspeakers. Such silicon microspeakers are the innovation of Arios Systems GmbH.



Join our MEMS μ Speaker Innovation!

Tasks for student activities:

- Carrying out measurements
- Operation + commissioning of 3D printer
- Preparation of 3D models for headphone housings
- Data management, sample tracking
- Spice simulation
- Mathematical modeling
- ASIC: Evaluation of charge pumps
- ASIC: Creation of a „black box“ model
- ASIC: Design of a HV-PP inverter with LV transistors
- ACU + System: Commissioning + Documentation
- ANC: Adapt application in TWS

Requirements:

- Studies in electrical engineering, physics, nano- and microsystems, mechatronics, mechanical engineering or similar
- 40 hours per month
- Good English and German language skills

**We are looking forward
to your application!**

career@arioso-systems.com

