

Information

Costs

Participation (inkl. MwSt.) 1200,-€

Evening Event (optional)

Traditional Dinner in the oldest historic „Ratskeller Oldenburg“

On Thursday evening you have the opportunity for a personal exchange, in a special atmosphere in the oldest restaurant of Oldenburg. In the old town hall of Oldenburg, you participate in a traditional and typical regional dinner.

The Evening event is to be booked separately.

Auditory Valley

Hear the future. “Auditory Valley”, the only research and development network of its kind, has been bringing experts on hearing together for years. Their stated mission is “Hearing for all! – All people, all situations, all sectors.”

Over 250 scientists in basic and application research work at the Auditory Valley, which includes two special research departments, an international graduate college, a Center of Excellence funded by the Federal Ministry of Research and Technology, and several research facilities. This well-established infrastructure promotes fast, target-orientated and integrated development and innovation in hearing.

New products, new approaches.

The combination of audio systems, hearing aids and cochlear implant technology presents a unique opportunity to improve the quality of life for many people in the long-term.

www.auditory-valley.com

About HörTech

HörTech gGmbH is run by a non-profit company with limited liability and it came into existence on November 15, 2001. In its legal form, HörTech gGmbH aims to create a common platform for precompetitive research and development projects sponsored by the industry while fulfilling aspects of public interest at the same time. Since April 2002, HörTech gGmbH takes care of the center’s business, coordinates projects and continues to develop the ideas connected to HörTech gGmbH. The partners in this business are the University of Oldenburg with 51% and the Hörzentrum Oldenburg with 49%. Since this is a non-profit company, all proceeds (e.g. from training courses or equipment sales) are directly reinvested in HörTech gGmbH projects and activities which support hearing research.

The company’s aim is to support research and science, particularly when it comes to gaining new methods and knowledge. These goals are realized by developing and running a center of competence for hearing aid system technology, which fosters precompetitive cooperation among companies and institutions from the private economy as well as universities and research institutes in projects developing hearing aid system technology or associated products. Within all projects, our participating institutions are guaranteed the necessary confidence they need in order to unfold personal expertise and knowledge. Furthermore, the company develops and commercializes products which have been conceived in our projects or on the basis of project or research results.

Kompetenzzentrumssprecher

Prof. Dr. rer. nat. Dr. med. Birger Kollmeier
Universität Oldenburg, AG Medizinische Physik

Geschäftsführung

Stephan Albani

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Intensive course in Audiological Equipment for Beginners





Intensive course in Audiological Equipment for Beginners


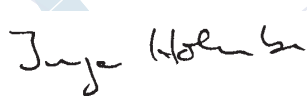
11. - 13. September 2019

This intensive course aims to provide an overview of the methods and procedures of the field as well as give insight into its key issues and parameters. The acquired knowledge is intended to assist new staff, for example at manufacturers of hearing aids, cochlear implants or measuring devices, in gaining a comprehensive and competent foothold in the subject matter, and to enable them to hold constructive discussions with colleagues from other departments during project meetings. This continuing education consists of theory and practical steps in which basic theory is applied to practical examples.

The first day focuses on medical basics and audiological testing methods. The second day deals with hearing aids and how to adjust them to a person's individual hearing impairment. Testing to determine if an adjustment was successful takes place on day three.

This intensive course is addressed primarily to engineers, natural scientists, computer scientists, doctors and other clinical and technical staff who work in audiology or with hearing aids.

We would be pleased to see you there.

Prof. Dr. Dr. Birger Kollmeier

Prof. Dr. Inga Holube

Wednesday, 11. September 2019

- 8:00 Welcome speech and introduction**
Prof. Dr. Inga Holube, Jade Hochschule
- 8:15 Anatomy of the ear**
Prof. Dr. Volker Hohmann,
Universität Oldenburg
- 9:20 Otolaryngology diagnostics**
Prof. Dr. Karsten Plotz,
Evangelisches Krankenhaus Oldenburg
- 10:20 Short break**
- 10:40 Standard tone and speech audiometry**
Prof. Dr. Inga Holube, Jade Hochschule
- 11:25 Modern audiometry methods**
Stefan Wetzler, HörTech
- 12:10 Lunch break**
- 13:00 1st practical in parallel groups**
Otoscopy, tone audiogram, Freiburger,
scaling hearing ranges, modern speech
tests. Taking an aural impression
- 17:30 Final discussion**

Thursday, 12. September 2019

- 8:00 Introduction to the topic of the day**
Prof. Dr. Inga Holube, Jade Hochschule
- 8:15 Otoplasty**
Meike Renken, Hörzentrum Oldenburg
- 9:00 Structure of a hearing aid, technologies, parameters**
Prof. Dr. Inga Holube, Jade Hochschule
- 10:00 Short break**
- 10:20 Signal processing in hearing aids and formulas for adjusting hearing aids**
Dr. Daniel Berg, HörTech
- 11:20 Technology behind cochlear implants**
Prof. Dr. Karsten Plotz,
Evangelisches Krankenhaus Oldenburg
- 12:20 Lunch break**
- 13:20 2nd practical in parallel groups**
Adjusting hearing systems with different
hearing system manufacturers
- 16:55 Final discussion**



Friday, 13. September 2019

- 8:00 Introduction to the topic of the day**
Prof. Dr. Inga Holube, Jade Hochschule
- 8:15 Test box and Kemar measurements**
Prof. Dr. Inga Holube, Jade Hochschule
- 9:10 Probe microphone measurements**
Dr. Martin Kinkel, Kind Hörgeräte
- 9:55 Short break**
- 10:15 Surveys**
Dr. Markus Meis, Hörzentrum Oldenburg
- 11:00 3rd practical part A in parallel groups**
- 12:00 Lunch break**
- 13:00 3rd practical part B in parallel groups**
Otoplasty, test box and probe microphone
measurements with different manufacturers,
Kemar measurements/master hearing aid
- 16:00 Final discussion**

About the practicals

HörTech was able to engage several manufacturers of hearing aids and measurement devices, who present the functions of their latest products in the practicals. Each participant will be able to visit several manufacturers on a rotating basis. Applications are to be practiced intensely, and any specific questions answered.