

Carsten Daugaard



Senior Consultant, Force Technology, Technical-Audiological laboratory
Educated M. Sc. E.E. from DTU, The technical university of Denmark in 1997, with specialities in acoustics and programming. Since then employed as consultant at the Technical-Audiological Laboratory (TAL) in Denmark. TAL is a part of DELTA, now merged with FORCE Technology, both so-called GTS institutes; government supported institutions with the purpose of making new technology available for the industry.

The main work areas have been electro acoustical testing of hearing aids and assistive devices, as well as consultancy in acoustics and technical audiology for the hearing health care. Knowledge communication of technical challenges has been a major part of the consultancy work. Since 2007 associate professor at University of Southern Denmark, teaching technical audiology, and helping students with their projects.

Technical evaluation of wireless communication devices

This presentation reports from technical evaluation of assistive listening devices in Denmark. Technical Audiological Laboratory has in many years performed technical measurements on various devices as a part of our consultancy work for the Danish health care. Some of these devices are: Neck loops, Hearing aid compatible telephones, and tele loop systems of different size. This talk will present the technical measurements that are performed on the devices and the origin of these requirements. Considerations of the correspondence between the objective measurements and the user experience will be given. Ideas of future technical measurements to evaluate wireless devices will be presented.