

## **Abstract EFAS/DGA 2007**

### **The new ISO 16832 „Acoustics – Loudness scaling by means of categories“**

Kinkel M.

KIND Hörgeräte, Kokenhorststr. 3-5, D-30938 Burgwedel

The assessment of loudness function based on category loudness scaling is used when the evaluation of hearing is not only necessary at the boundaries of the auditory sensation area (threshold of hearing, uncomfortable level), but for a knowledge over the entire individual auditory sensation area. Important fields of use are diagnostic evaluations, especially the evaluation of recruitment and fitting of hearing instruments. Since the results of loudness scaling can markedly depend on the exact procedure used, the ISO 16832 sets the conditions for reliable measurement methods and specifies basic methods for scaling loudness into categories for audiological applications. An exemplary method is given in detail. The key points of the standard and its applications for hearing aid fitting and assessment are given.

