

# IWAENC 2022 – Demo Proposal

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Signal Processing @ WS Audiology:

Hearing Aids Connected to the World of Sensors and Apps

Modern hearing aids are growing more and more beyond pure audio amplifiers towards smart, connected devices equipped with multiple sensors and significant processing capabilities. Besides the microphones, which are already fully coupled between the hearing aids to enable binaural directional processing or even high-speed own voice detection, there are motion and further sensors built in directly. And these are coupled and connected wirelessly to mobile devices to enable even more applications.

In our demo booth we will demonstrate, how the various sensors and connected mobile applications contribute to better hearing in the daily life of the hearing aid wearer. Algorithms and features which have a direct impact on the audio experience of the user.

We will show mobile applications which facilitate research and development. Applications which demonstrate the scene and situation analysis performance of the hearing aids for convincing technology statements. And mobile applications which are directly at the hand of the customer to further optimize the hearing impression supported by methods of machine learning.