Objective:

- Real-time performance assessment of state-of-the-art/novel signal enhancement algorithms for future hearing aids
- Perceptual multi-center evaluation with normal-hearing and hearing-impaired subjects in conditions comparable to real-life listening environments

Description/ Figures:

- SRT test
- Listening effort test
- Preference rating

Test room diagram:

- AD/DA conv
- MHA
- 3-mic Siemens Acuris HA
- Preamplifier
- AD/DA conv
- Transmiter
- Wireless headphones
- Amp

Visions:

- Consistent results are obtained across test sites and across languages → test protocol is important, but the exact test conditions are not crucial
- After correction for frequency-dependent hearing loss, no important differences are observed between subject groups → tests in normal-hearing subjects can predict performance in hearing-impaired subjects
- Some of the algorithms do not improve SRT, but are nevertheless preferred over the unprocessed condition.

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