

HLAA Research Symposium:

AI Hearing Aids



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Spatial AI Improves Speech Intelligibility for Hearing Aid Wearers in Challenging Multitalker Noise,
International Journal of Audiology, 2026

Spatial AI Consistently Preferred to State of the Art Hearing Aids in Multitalker Noise,
In peer review

Financial Disclosure:



Hearing loss is hard to treat because it's sensorineural.



Ear

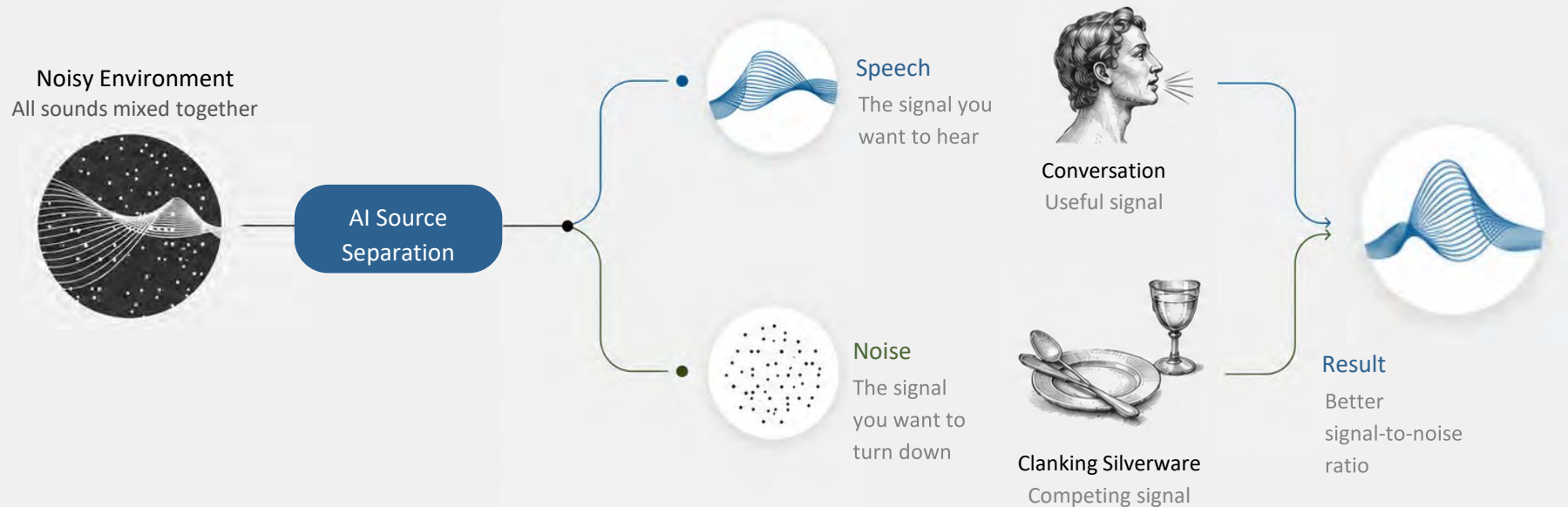
We need sounds to be louder.



Brain

We need better signal-to-noise ratios.

AI lets us treat sounds differently based on what they are.



Two challenges.

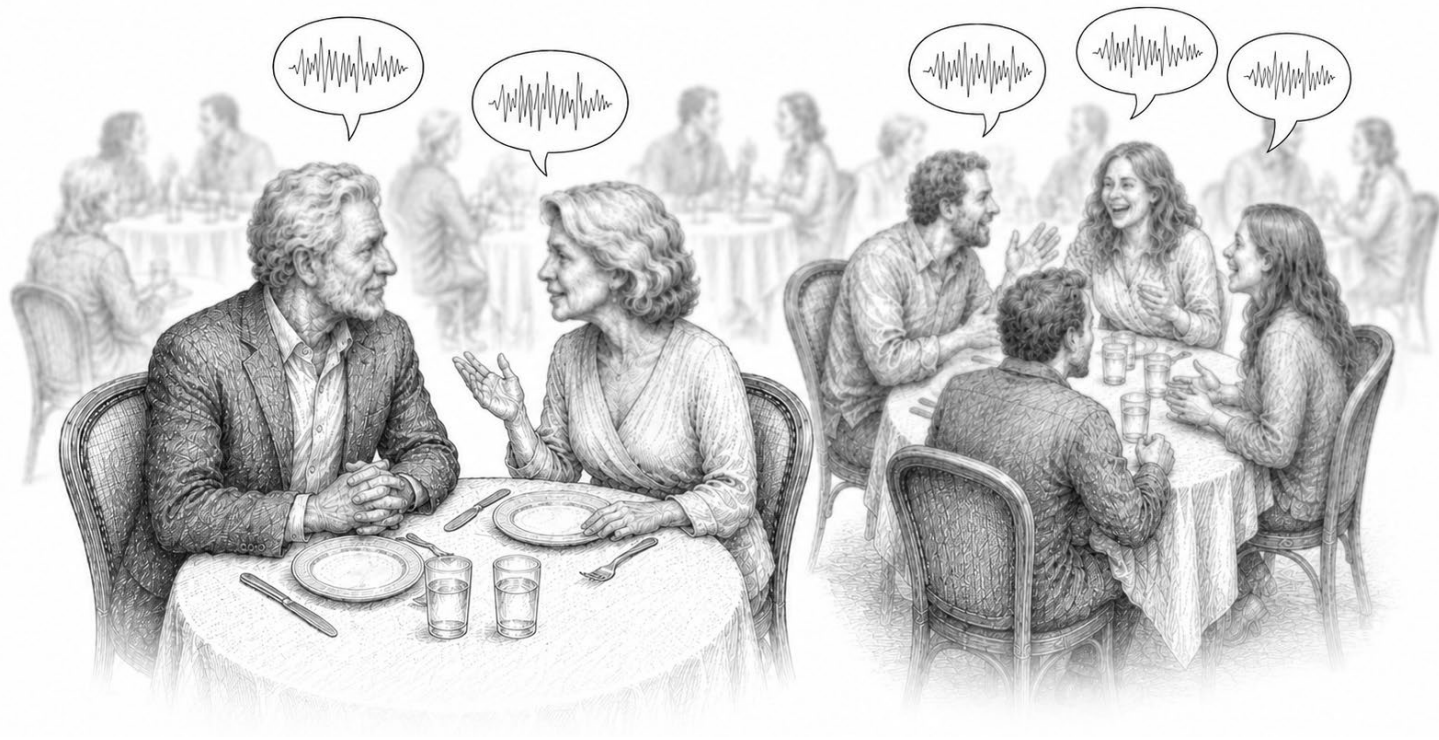
- 1 Computational power
- 2 Inferring intention



We can now fit a big computer behind your ear.



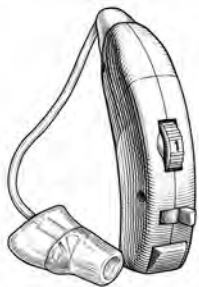
How does the AI know which voice is important?



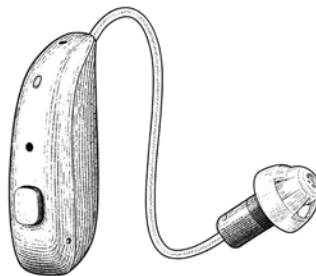
AI represents a new era in hearing aids.



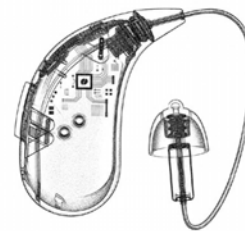
Ear Trumpet
1800s



Analog Hearing Aid
1960s–1990s



Digital Hearing Aid
2000s–2025



AI Hearing Aid
2025–Present



Thank you.

Stay in touch
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