I. Optimization of Hearing Aid, Cochlear Implant and Hearing Protector Performance

All hearing device users face similar challenges: Understanding speech in noise and listening comfort. Dr. Chung enjoys examining the effective signal processing strategies and technologies to enhance the performance of hearing instruments, especially those that can improve their communication abilities and quality of lives. She has been working on utilizing hearing aid front-end technologies to enhance cochlear implant performance since 2003, and has a patent on the subject with Dr. Fangang Zeng at University of California, Irvine.


