

Special session on



178th Meeting
San Diego, California
2-6-Dec 2019

Open Source Audio Processing Tools for Hearing Research

We provide open tools to excel your research in speech processing algorithms

Chairs

Volker Hohmann
(Universität Oldenburg)
Chaslav Pavlovic
(BatAndCat Corporation)

I. Presentations

Open Source Audio Processing Tools for
Hearing Research I

Dec 03, 1:15pm - 3:05pm (2pPPa)

Location: **CORONET**

Chair's Introduction

1:15pm - 1:20pm

Usability assessment of a wearable speech-processing platform

1:20pm - 1:35pm (2pPPa1)

Arthur Boothroyd, San Diego State University

*High-fidelity multi-channel portable platform for development
of novel algorithms for assistive listening wearables*

1:35pm - 1:50pm (2pPPa2A)

Chaslav Pavlovic, BatAndCat Corporation

*Real-time audio signal processing using system-on-chip field
programmable gate arrays*

1:50pm - 2:05pm (2pPPa3)

Ross Snider, Montana State University

*open Master Hearing Aid (openMHA) - an integrated platform
for hearing aid research*

2:05pm - 2:20pm (2pPPa4)

Hendrik Kayser, Carl von Ossietzky Universität Oldenburg

Smartphone and algorithms; A platform for hearing study

2:20pm - 2:35pm (2pPPa5)

Issa Panahi, University of Texas at Dallas

*On mitigating acoustic feedback in hearing aids with
frequency warping by all-pass networks*

2:35pm - 2:50pm (2pPPa6)

Ching-Hua Lee, University of California, San Diego

SignalMaster update 2019

2:50pm - 3:05pm (2pPPa7)

Rafael Delgado, Intelligent Hearing Systems Corp

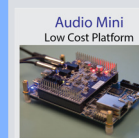
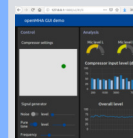
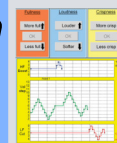
II. Hands-on

Open Source Audio Processing Tools for
Hearing Research II (Demonstrations)

Dec 03, 3:15pm - 4:45pm (2pPPb)

Location: **CROWN**

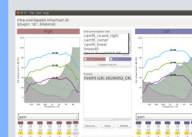
**Get your
hands
on the
devices!**



Audio Mini
Low Cost Platform



Audio Blade
Performance Platform



OPEN SPEECH PLATFORM
UNIVERSITY OF CALIFORNIA SAN DIEGO

