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)

Tuesday, December 3

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 assitive 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!