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TITLE: Portable Automated Rapid Testing (PART) measures for auditory research

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ABSTRACT BODY:

Abstract (200 words): This presentation will focus on data collected across the globe on tablet computers using applications available for free download, built-in sound hardware, and calibrated Sennheiser 280 headphones. Tests involve spatial release from speech-on-speech masking, binaural sensitivity, gap discrimination, temporal modulation, spectral modulation, and spectrotemporal modulation. The data will be compared across sites and with data from the published literature. The similarity of the obtained data to the expected values and the consistency across sites will help evaluate the potential of this relatively inexpensive and easily disseminated approach to psychoacoustical data collection. The extent to which valid performance can be obtained is a metric of the possibility that in the future such test methods could be used by researchers without access to a full laboratory, clinicians interested in evaluating auditory function beyond the audiograms, and students as part of their training, as well as many other uses not yet imagined.

CURRENT TECHNICAL COMMITTEE: Psychological and Physiological Acoustics

CURRENT SPECIAL SESSION. IF NOT SUBMITTING TO A SPECIAL SESSION, CHOOSE "NONE SELECTED.":

None Selected

PRESENTATION TYPE: Contributed Submission : Poster

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Session Broadcast : I am interested in having this paper's presentation broadcast live in real-time over the internet, and recorded for later dissemination.

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