

POSTER SESSION W:**WEDNESDAY –8AM TO MIDNIGHT**

- W01a: A MODEL BASED SOUND CODING STRATEGY FOR LASER STIMULATION IN COCHLEAR IMPLANT USERS WITH RESIDUAL HEARING: Benjamin Krueger, Torben Fiedler, Peter Baumhoff , Darshan Shah, Andrej Kral, Andreas Buechner, Hannes Maier, Waldo Nogueira
- W01b: IMPROVING CHANNEL SELECTION CRITERIA IN N-OF-M STRATEGIES FOR COCHLEAR IMPLANTS: Juliana N Saba, Hussnain Ali, John HL Hansen
- W02a: REAL-TIME SPECTRAL CONTRAST ENHANCEMENT APPLIED TO COCHLEAR IMPLANT CODING STRATEGIES: Federico Bolner, Bas van Dijk, Marc Moonen, Jan Wouters
- W02b: FREQUENCY ADAPTATION AND SUBJECTIVE TESTING: Simon K Christiansen, Manuel S Martinez
- W03a: DYNAMIC CURRENT FOCUSING: A NOVEL APPROACH TO LOUDNESS CODING IN COCHLEAR IMPLANTS.: Monique A.M. de Jong, Jeroen J.J. Briaire, Johan H.M. Frijns
- W03b: CLINICAL APPROACH TO OPTIMIZE ACTIVATED COCHLEAR IMPLANT ELECTRODES AND SPECTRAL MODULATION DETECTION OUTCOMES: Sarah Warren Kennett, Samuel Atcherson, Charles Finley
- W04a: IMPROVING SOUND SOURCE LOCALIZATION BY HEAD SHADOW ENHANCEMENT WITH BEAMFORMERS: Benjamin Dieudonne, Tom Francart
- W04b: MEASURING THE ABILITY OF CLINICAL PROCESSORS TO ENCODE BINAURAL CUES IN THE SIGNAL ENVELOPE: Alan Kan, Jake Bergal, Zhao Ellen Peng, Keng Moua, Ruth Y Litovsky
- W05a: EXTRACOCHELEAR ELECTROCOCHLEOGRAPHY DURING INSERTION OF COCHLEAR IMPLANTS: INTRAOPERATIVE RESPONSES AND POSTOPERATIVE HEARING PRESERVATION: Christopher K Giardina, Tatyana E Fontenot, Kevin D Brown, Craig A Buchman, Oliver F Adunka, Harold C Pillsbury, Douglas C Fitzpatrick
- W05b: A MACHINE LEARNING APPROACH TO MITIGATING REVERBERATION IN COCHLEAR IMPLANTS : Boyla O. Mainsah, Jill M. Desmond, Leslie M. Collins, Chandra S. Throckmorton
- W06: A NEURAL TIMING CODE IMPROVES SPEECH PERCEPTION IN VOCODER SIMULATIONS OF COCHLEAR IMPLANT SOUND CODING: Erik C. Johnson, Daniel H. Lee, Douglas L. Jones, Justin M. Aronoff, Rama Ratnam
- W07a: PERCEPTUAL DIFFERENCES BETWEEN MONOPOLAR AND PHANTOM ELECTRODE STIMULATION IN COCHLEAR IMPLANT USERS: Silke Klawitter, David M. Landsberger, Andreas Buechner, Waldo Nogueira
- W07b: PRELIMINARY STUDY OF A HARMONIC CODING STRATEGY TO IMPROVE SOUND PROCESSING IN COCHLEAR IMPLANTS: Kaibao Nie, Tyler Ganter, Les Atlas, Jay Rubinstein
- W08a: EVALUATING MUSIC PERCEPTION WITH A NEUROPHYSIOLOGICALLY-BASED COCHLEAR IMPLANT CODING STRATEGY: Wai Kong Lai, Farei Timo, Norbert Dillier
- W08b: DEEP NEURAL NETWORKS FOR IMPROVING SOUND SEGREGATION IN COCHLEAR IMPLANT USERS: Marianna Vatti, Lars Bramsloew, Niels Henrik Pontoppidan, Gaurav Naithani, Tuomas Virtanen , Bradford Backus
- W9: LOMBARD EFFECT PERTURBATION PRE-PROCESSING STRATEGY FOR COCHLEAR IMPLANT USERS: Jaewook Lee, Hussnain Ali, John H. L. Hansen
- W10a: SMILES, CHUCKLES, AND LAUGHTER: ESTABLISHING A COMPUTATIONAL SIMULATION OF COCHLEAR IMPLANT STRATEGIES FOR AMUSED SPEECH CLASSIFICATION: Payton Lin, Kevin El Haddad

- W10b: MODULATED PHASE CODING STRATEGY FOR COCHLEAR IMPLANTS: Reagan Roberts, Chris Boven, Heddon Chris, Claus-Peter Richter
- W11: OBJECTIVE SPEECH TRANSMISSION IMPROVEMENTS WITH A BINAURAL COCHLEAR IMPLANT SOUND-CODING STRATEGY INSPIRED BY THE CONTRALATERAL MEDIAL OLIVOCOCHLEAR REFLEX: Enrique A. Lopez-Poveda, Almudena Eustaquio-Martin
- W12a: DAILY DATALOGS, NEED AND FEASIBILITY: Saji Maruthurkkara
- W12b: EVALUATION OF SPECTRAL MUSIC COMPLEXITY REDUCTION METHODS FOR COCHLEAR IMPLANT LISTENERS BY MEANS OF A PERCEPTUAL MUSIC QUALITY PREDICTION MODEL: Anil Nagathil, Jan-Willem Schlattmann, Katrin Neumann, Rainer Martin
- W13a: THE "TEMPORAL LIMITS ENCODER" FOR COCHLEAR IMPLANTS: ITS POTENTIAL ADVANTAGES AND AN FFT-BASED ALGORITHM: Qinglin Meng, Guangzheng Yu
- W13b: LIMITING TEMPORAL INFORMATION ON MIDDLE AND BASAL CHANNELS: Joshua S Stohl, Robert D Wolford, Blake S Wilson
- W14a: IMPROVING THE PERFORMANCE OF NEURAL-NETWORK BASED SPEECH ENHANCEMENT FOR NOVEL SPEAKERS: Jessica J M Monaghan, Tobias Goehring
- W14b: A REAL-TIME ANDROID APP FOR MULTI-TALKER BABBLE NOISE REDUCTION.: Roozbeh Soleymani, David M Landsberger, Ivan Selesnick
- W15: USING PULSE-SPECIFIC FEATURES FOR REVERBERATION MITIGATION IN COCHLEAR IMPLANT PULSE TRAINS: Lidea K Shahidi, Leslie M Collins, Chandra S Throckmorton
- W16a: IMPLEMENTATION AND EVALUATION OF A SINGLE-CHANNEL NOISE REDUCTION METHOD IN COCHLEAR IMPLANTS: Ningyuan Wang, Guofang Tang, Qian-Jie Fu
- W16b: COMPARE THE SPEECH INTELLIGIBILITY BENEFITS OF F0-INFORMED SPEECH ENHANCEMENT WITH COCHLEAR IMPLANT LISTENERS BETWEEN STATIONARY NOISE AND NON-STATIONARY NOISE: Dongmei Wang, John H. L. Hansen
- W17a: PRESERVATION OF RESIDUAL HEARING AFTER ELECTRODE INSERTION BY TOPICAL APPLICATION OF IGF-1: Takayuki Nakagawa, Norio Yamamoto, Koji Nishimura, Kohei Yamahara, Hideaki Ogita, Juichi Ito, Koichi Omori
- W17b: CAN A LATE HEARING LOSS AFTER HYBRID-L IMPLANTATION BE PREDICTED BY IMPEDANCE CHANGES?: Gerrit Paasche, Simon Konrad, Thomas Lenarz, Andreas Buechner
- W18: ADAPTATION TO FREQUENCY-PLACE FUNCTIONS IN SINGLE-SIDED DEAFNESS LISTENERS: Jonathan Neukam, Mahan Azadpour, Elad sagi, Annette Zeman, Mario Svirsky
- W19: SPATIAL RELEASE FROM MASKING IN ACTUAL AND SIMULATED BIMODAL AND SINGLE-SIDED DEAF COCHLEAR IMPLANT LISTENERS: Ben Williges, Thomas Wesarg, Lorenz Jung, Leontien Geven, Andreas Radeloff, Tim Juergens
- W20: PERCEPTUAL AND NEURAL REPRESENTATION OF PULSE TRAINS DELIVERED BY ABI (AUDITORY BRAINSTEM IMPLANT) ELECTRODES: Mahan Azadpour, William H. Shapiro, Mario A. Svirsky
- W21a: AUDITORY-VISUO-MOTOR TEMPORAL PROCESSING IN COCHLEAR IMPLANT USERS: Alexandre Lehmann
- W21b: SOUND LOCALIZATION IN REAL-TIME VOCODER SIMULATIONS OF BILATERAL AND BIMODAL COCHLEAR-IMPLANT USERS : Marc M. van Wanrooij
- W22: MULTI-STUDY EVALUATION OF OBJECTIVE MEASURES THAT PREDICT COCHLEAR IMPLANT SPEECH INTELLIGIBILITY: Abigail A. Kressner, Stefan J. Mauger, Adam A. Hersbach, Torsten Dau
- W23a: CCI-MOBILE PLATFORM FOR COMBINED ELECTRIC AND ACOUSTIC STIMULATION: Sandeep Ammula, Hussnain Ali, John H.L Hansen

W23b: THE COCHLEAR CATHETER FOR CELL AND DRUG DELIVERY DURING
COCHLEAR IMPLANTATION: Athanasia Warnecke, Nils Prenzler, Rolf Salcher, Ariane
Roemer, Melanie Leifholz, Lutz Gaertner, Anke Lesinski-Schiedat, Thomas Lenarz