POSTER SESSION Th: THURSDAY –8AM TO MIDNIGHT

Th01a: COMPUTER ASSISTED SELECTION OF ELECTRODE DEACTIVATION IN CI USERS: Elad Sagi, Mario Svirsky
Th01b: REDEFINING THE NUMBER OF EFFECTIVE CHANNELS FOR CONTEMPORARY COCHLEAR IMPLANT LISTENERS: Naomi B.H. Croghan, Sara I. Duran, Zachary M. Smith
Th02: EARLY IMPLANTATION IMPROVES VOCAL-TRACT PERCEPTION OF VOICE DISCRIMINATION IN ADULTS WITH PRE-LINGUAL DEAFNESS: Yael Zaltz, Raymond L. Goldsworthy, Liat Kishon-Rabin, Laurie S. Eisenberg
Th03a: COCHLEA-IMPLANTS IN THE ELDERLY: Mark Praetorius, Sebastian Hoth, Sara Friauf
Th03b: COCHLEAR IMPLANT USERS AND THEIR ABILITY TO RECALL SPEECH IN NOISY ENVIRONMENT: Hanna Boenitz, Dorothea Wendt, Mareike Finke, Alejandro Lopez Valdes, Bjorn Lyxell, Andreas Buechner, Thomas Lunner
Th04a: NEW PERSPECTIVES ON THE CONTRIBUTION OF MUSIC ACTIVITIES TO THE PERCEPTION OF SPEECH AND LANGUAGE DEVELOPMENT IN CHILDREN WITH CIS: Ritva Torppa, Andrew Faulkner
Th04b: INCREASED QUALITY OF THE AUDIOVISUAL SPEECH SIGNAL REDUCES SENSITIVITY TO AUDIOVISUAL ONSET ASYNCHRONY: Antoine J Shahin, Hannah Shatzer, Jess R Kerlin, Stanley Shen, Mark A Pitt
Th05: SPECTRO-TEMPORAL TRANSMISSION OF SPEECH FORMANTS IN A NEW COCHLEAR IMPLANT SOUND CODING STRATEGY – MEASUREMENTS AND PREDICTIONS OF VOCAL PERCEPTION: Anja Eichenauer, Mathias Dietz, Tim Juergens
Th06a: PROCESSING SPOKEN WORDS WITH AND WITHOUT SEMANTIC CONTEXT: EFFECTS OF SPECTRAL DEGRADATION AND COCHLEAR IMPLANTATION: Chhayakanta Patro, Lisa Lucks Mendel
Th06b: SPECTRAL RESOLUTION AND SPEECH CONTEXT EFFECTS IN COCHLEAR-IMPLANT USERS: Lei Feng, Andrew J Oxenham
Th07a: THE IMPACT OF PERCEPTUAL CUE WEIGHTING STRATEGY ON SPEECH PERCEPTION AND LISTENING EFFORT FOR CI USERS: Yue Zhang, Stuart Rosen
Th07b: EXTENDING FEATURE INFORMATION TRANSMISSION ANALYSIS (FITA): NEW APPROACHES AND APPLICATIONS: Dirk JJ Oosthuizen, Johan J Hanekom
Th08a: PREDICTING SPEECH RECOGNITION USING THE SPEECH INTELLIGIBILITY INDEX (SII) FOR COCHLEAR IMPLANT USERS AND LISTENERS WITH NORMAL HEARING: Sungmin Lee, Lisa Lucks Mendel
Th08b: A COMPARISON OF PREDICTORS OF COCHLEAR IMPLANT SPEECH INTELLIGIBILITY: Greg D Watkins, Brett A Swanson, Gregg JA Suaning
Th09a: IMPACT OF ROOM ACOUSTIC PARAMETERS ON SPEECH AN MUSIC PERCEPTION WITH COCHLEAR IMPLANTS: Bernhard Eurich, Michael Oehler, Thomas Klenzner
Th09b: EFFECT OF REVERBERATION ON SPEECH INTELLIGIBILITY IN COCHLEAR IMPLANT RECIPIENTS CONSIDERING REALISTIC SOUND ENVIRONMENTS: Javier Badajoz Davila, Jorg M. Buchholz, Richard Van Hoesel, Michael Goorevich
Th10a: THE ROLE OF SPECTRAL RESOLUTION IN COCHLEAR IMPLANT PROCESSING UNDER COCKTAIL-PARTY SCENARIOS: Nawal El Boghdady, Florian Langner, Waldo Nogueira, Deniz Baskent, Etienne Gaudrain
Th10b: COMPUTER-BASED CONNECTED TEXT TRAINING OF SPEECH PERCEPTION IN NOISE FOR COCHLEAR IMPLANT USERS: Tim Green, Stuart Rosen, Andrew Faulkner
Th11a: PERFORMANCE TESTING WITHOUT THE SOUND BOOTH: Saji Maruthurkkara
Th11b: VOCAL PERCEPTION IN A DENSELY-POPULATED SPACE: BEHAVIORAL AND EEG INDICES OF VOWEL IDENTIFICATION BY ADULT CI LISTENERS: David Jackson Morris, John Toendering, Soeren Kamaric Riis, Nicolai Pharao, Christian Stender Simonsen
Th12a: SPEECH PERFORMANCE PLATEAU IN PRELINGUALLY AND POSTLINGUALLY DEAFENED ADULT COCHLEAR IMPLANT USERS: Veronique JC Kraaijenga, Adriana L Smit, Gijsbert A van Zanten
Th12b: EARLY SENTENCE RECOGNITION IN ADULT COCHLEAR IMPLANT USERS: Chris James, Chadia Karoui, Mathieu Marx, Marie-Laurence LABORDE, Charles-Edouard MOLINIER, Benoit LEPAGE, Olivier DEGUINE, Bernard ESCUDE, Bernard FRAYSSE

Th13a: THE DECISION BETWEEN DIRECT ACOUSTICAL COCHLEAR STIMULATION AND COCHLEAR IMPLANTATION: A RETROSPECTIVE ANALYSIS OF RESULTS: Thomas Lenarz, Eugen Kludt, Andreas Buechner, Hannes Maier

Th13b: EVALUATION OF THE LOW POWER SPEECH CODING STRATEGY MP3000™: Eugen Kludt, Pamela Dawson, Mark Schuessler, Kerrie Plant, Robert Cowan, Thomas Lenarz, Andreas Buechner

Th14a: ADVANCED TONE-VOCODER SIMULATIONS OF THE EFFECT OF CURRENT SPREAD ON COCHLEAR IMPLANT USERS’ SPEECH INTelligIBILITY - IMPLICATIONS FOR THE CHANNEL INTERLEAVING STRATEGY: Jacques A Grange, John F Culling

Th14b: “TURN AN EAR TO HEAR”: HOW A MODEST HEAD ORIENTATION AWAY FROM A TARGET TALKER CAN IMPROVE COCHLEAR IMPLANT USERS’ SPEECH INTelligIBILITY IN NOISE, EVEN IN A HIGHLY REALISTIC RESTAURANT SIMULATION: Jacques A Grange, John F Culling

Th15: ROLE OF COGNITIVE FACTORS IN VARIABILITY OF HEARING OUTCOMES IN COCHLEAR IMPLANT USERS AND NORMAL-HEARING LISTENERS WITH SIMULATED CURRENT SPREAD: Erin R O'Neill, Heather A Kreft, Andrew J Oxenham

Th16: HOW CLOSE CAN WE GET TO A REAL CI WITH ACOUSTIC SIMULATION?: Chadia KAROUI, MATHIEU MARX, Chris JAMES, Olivier MACHEREY


Th18a: REVEALING PHONETIC UNCERTAINTY IN COCHLEAR IMPLANT LISTENERS: Steven P Gianakas, Matthew B Winn

Th18b: SEVERE DEFICITS IN PERCEPTION OF ANTICIPATORY COARTICULATION IN COCHLEAR IMPLANT LISTENERS: Steven P Gianakas, Matthew B Winn

Th19a: ADJUSTMENT TO VARIABLE VOICE ACOUSTICS BY COCHLEAR IMPLANT LISTENERS: Ashley N Moore, Matthew B Winn

Th19b: VOICE EMOTION RECOGNITION BY MANDARIN-SPEAKING PEDIATRIC COCHLEAR IMPLANT USERS: Hui-Ping Lu, Shu-Chen Peng, Mickael L.D. Deroche, Monita Chatterjee, Yung-Song Lin

Th20: REDUCING SIMULATED CHANNEL INTERACTION LEADS TO IMPROVED SPEECH PERCEPTION FOR NORMAL-HEARING CHILDREN AND ADULTS: Kelly N Jahn, Julie G Arenberg

Th21a: ACCESSIBILITY OF SPEECH INFORMATION AT VARIOUS SIGNAL-TO-NOISE RATIOS IN COCHLEAR IMPLANT PROCESSING: Smits Cas, Theo S Goverts, Lucas Stam

Th21b: SPATIAL RELEASE FROM INFORMATIONAL AND ENERGETIC MASKING IN BIMODAL AND BILATERAL CI USERS: Kristen DOnofrio, Rene Gifford

Th22a: THE RELATIONSHIP BETWEEN SPECTRAL MODULATION DETECTION AND SPEECH RECOGNITION: ADULT VERSUS PEDIATRIC IMPLANT RECIPIENTS: Rene Headrick Gifford, Jack Noble, Stephen Camarata, Linsey Sunderhaus, Robert Dwyer, Benoit Dawant, Robert Labadie

Th22b: HOW WELL DO ADOLESCENTS WITH COCHLEAR IMPLANTS LEARN A SECOND LANGUAGE IN HIGH SCHOOL?: Dorit Enja Jung, Wander M Lowie, Deniz Baskent, Anastasios Sarampalis

Th23: THE NOVEL COMBINED LINGUISTIC AND INDEXED SPEECH PERCEPTION ASSESSMENT (CLISPA) REVEALS BOTTLENECKS IN THE PERCEPTION AND INTEGRATION OF SPEECH CUES BY COCHLEAR IMPLANTS: Jack E. Burgeson, Michael J Ye, Charles W Yates, Chad V Ruffin

Th24: RELATIONSHIP BETWEEN NUMBER OF ACTIVE ELECTRODES, ELECTRODE-TO-MODIOLUS DISTANCE, AND SPEECH PERCEPTION OUTCOMES IN ADULTS WITH COCHLEAR IMPLANTS: Katelyn Berg, Jack Noble, Benoit Dawant, Robert Labadie, Rene Gifford
Th25: SELF-EXPLORATION OF MAPS BY COCHLEAR IMPLANT USERS: Bomjun Kwon, Laura Holden, Brynn Lopez, Jeffrey Cooper, Timothy Holden, Jill Firszt

Th26a: INSIGHTS INTO SPEECH UNDERSTANDING BY COCHLEAR IMPLANT AND BIMODAL LISTENERS GAINED FROM ROVING LEVEL AND HARMONIC AND DISHARMONIC INTONATION TESTS: Patrick J Boyle, Hilal Dincer DAlessandro

Th26b: PERCEIVED SOUND QUALITY OF NOISY AND NOISE REDUCED SPEECH: Muhammad Mohid Nabil, Hussnain Ali, Chin-Tuan Tan

Th27a: THE EFFECT OF LATERAL WALL VS. PERIMODIOLAR ARRAYS ON AUDIOLOGIC OUTCOMES: Brittany K Wilson, Corey S Shayman


Th28a: INTERAURAL TIME DIFFERENCE PERCEPTION WITH A COCHLEAR IMPLANT AND ONE NORMAL EAR: Tom Francart, Konstantin Wiebe, Thomas Wesarg

Th28b: USING BINAURAL BEAT SENSITIVITY TO PROBE BINAURAL SENSITIVITY AND SPECTRAL MATCHING IN PEOPLE WITH SINGLE-SIDED DEAFNESS AND A COCHLEAR-IMPLANT: Coral Dirks, Douglas Sladen, Joshua Bernstein, Peggy Nelson, Andrew Oxenham

Th29a: RELIABILITY AND LEAD LEACHING OF PZT INTRA COCHLEAR MICROACTUATORS: Yifeng Liu, Guozhong Cao, Clifford R. Hume, Steve I.Y. Shen

Th29b: 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

Th30a: TODDLERS WITH SINGLE SIDED DEAFNESS AND A COCHLEAR IMPLANT: FIRST RESULTS: Astrid van Wieringen, Anouk Sangen, Christian Desloovere, Jan Wouters


Th31a: PRELIMINARY DATA ON INTRA- AND POSTOPERATIVE ELECTROCOCHLEOGRAPHIC RECORDINGS VIA THE ADVANCED BIONICS COCHLEAR IMPLANT SYSTEM: Carolin Frohne-Buechner, Michael Barzd, Sabine Haumann, Patrick Boyle, Gunnar Geissler, Kanthaiah Koka, Rolf Salcher, Thomas Lenarz, Andreas Buechner

Th31b: LONG TERM MONITORING OF THE INNER EAR FUNCTION DURING AND AFTER COCHLEAR IMPLANT INSERTION USING COCHLEAR MICROPHONICS: Sabine Haumann, Marina Imsiecke, Rolf Benedikt Salcher, Andreas Buechner, Hannes Maier, Thomas Lenarz

Th32: POSTOPERATIVE ELECTROCOCHLEOGRAPHY FROM HYBRID COCHLEAR IMPLANT USERS: AN ALTERNATIVE ANALYSIS PROCEDURE: Jeong-Seo Kim, Viral D Tejani, Paul J Abbas, Carolyn J Brown

Th33a: A POTENTIAL PHYSIOLOGICAL CORRELATE OF ELECTRIC-ACOUSTIC PITCH MATCHING IN COCHLEAR IMPLANT USERS: Chin-Tuan Tan, Brett Martin, Mario Svirsky

Th33b: PITCH MATCHING BETWEEN EARS IN PATIENTS WITH NORMAL HEARING CONTRALATERAL TO A COCHLEAR IMPLANT: Margaret Dillon, Emily Buss, Meredith Anderson

Th34a: BILATERAL EFFECTS IN THE CENTRAL AUDITORY SYSTEM AFTER UNILATERAL COCHLEAR IMPLANTATION OF SINGLE-SIDE DEAFENED GUINEA PIGS: Dietmar Basta, Sebastian Jansen, Patrick Boyle, Moritz Groeschel, Arne Ernst

Th34b: PLACE-ADAPTED STIMULATION RATE CAN RESTORE THE TONOTOPIC RELATIONSHIP IN THE SECOND COCHLEAR TURN: Uwe Baumann, Youssef Adel, Saba Geraldine, Tobias Weissgerber, Tobias Rader

Th35a: LONGITUDINAL RESULTS FOR ADULT COCHLEAR IMPLANT RECIPIENTS WITH ASYMMETRIC HEARING LOSS: Jill B. Firszt, Ruth M. Reeder, Laura K. Holden, Noel Y. Dwyer

Th35b: 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 Radolof, Tim Juergens

Th36a: INTEGRATION OF ACOUSTIC AND ELECTRIC HEARING IS BETTER IN THE SAME EAR THAN ACROSS EARS: Qian-Jie Fu, John J Galvin, Xiaosong Wang
Th36b: COMPUTER MODELS SUGGEST OPTIMAL CHOICE OF CROSS-OVER FREQUENCY FOR IPSILATERAL ELECTROACOUSTIC LISTENER’S SPEECH INTELLIGIBILITY: Ladan Zamaninezhad, Volker Hohmann, Tim Juergens

Th37a: REDUCTION IN HAIR CELL LOSS AFTER COCHLEAR IMPLANTATION FOLLOWING PRE-TREATMENT BY NEAR-INFRARED-LIGHT: Moritz Groescheil, Ira Struebing, Dan Jiang, Patrick Boyle, Arne Ernst, Dietmar Basta

Th37b: HEARING PRESERVATION COCHLEAR IMPLANTATION WITH DIFFERENT TYPES OF ELECTRODES: Thomas Lenarz, Rolf Salcher, Melanie Leifholz, Anke Lesinski-Schiedat, Marie Charlot Suhling, Andreas Buechner

Th38a: RANDOMIZED CONTROLLED TRIAL ON COCHLEAR IMPLANTATION VERSUS CONTRALATERAL ROUTING OF SOUND SYSTEMS AND BONE CONDUCTION DEVICES FOR SINGLE-SIDED DEAFNESS: Jeroen P.M. Peters, Anne W. Wendrich, Ruben H.M. van Eijl, Huib Versnel, Koen S. Rhebergen, Wilko Grolman

Th38b: THE SOUND OF A COCHLEAR IMPLANT INVESTIGATED IN PATIENTS WITH SINGLE-SIDED DEAFNESS AND A COCHLEAR IMPLANT: Jeroen P.M. Peters, Anne W. Wendrich, Ruben H.M. van Eijl, Huib Versnel, Koen S. Rhebergen, Wilko Grolman

Th39: ELECTROPHONIC AND ELECTRONEURAL RESPONSE IN THE INFERIOR COLLICULUS: Mika Sato, Peter Baumhoff, Jochen Tillein, Andrej Kral

Th40a: EFFECT OF FREQUENCY COMPRESSION ON SPATIAL HEARING OF BIMODAL LISTENERS: Snandan Sharma, Marc M van Wanrooij, A John van Opstal, Ad F M Snik, Joseph Chalupper, Lucas H M Mens, Andreas Buchner, Waldo Nogueira

Th40b: EFFECTS OF COMPRESSION IN VOCODER SIMULATIONS OF COCHLEAR IMPLANTS FOR SINGLE-SIDED DEAFNESS IN VIRTUAL COCKTAIL PARTY ENVIRONMENTS.: Jessica Wess, Joshua Bernstein

Th41: THE INCONSISTENCY OF DIFFERENT MEASURES OF INTERAURAL PLACE-OF-STIMULATION FOR COCHLEAR-IMPLANT USERS WITH SINGLE-SIDED DEAFNESS: Olga A. Stakhovskaya, Gerald I. Schuchman, Matthew J. Goupell, Joshua G.W. Bernstein

Th42a: SHEEP AS A LONG-TERM SURVIVAL MODEL FOR HEARING PRESERVATION COCHLEAR IMPLANT EVALUATION: PILOT ELECTROPHYSIOLOGICAL OUTCOMES: Viral Tejani, Christopher Kaufmann, Paul Abbas, Douglas Fredericks, Marlan Hansen

Th42b: RELATIONSHIP BETWEEN POST-OPERATIVE ELECTROCOCHLEOGRAPHY AND GENETIC PHENOTYPE IN HYBRID COCHLEAR IMPLANT USERS: Viral Tejani, Eliot Shearer, Carolyn Brown, Paul Abbas, Richard Smith

Th43: SINGLE-SIDED DEAFNESS PATIENTS TEACH US WHAT A COCHLEAR IMPLANT SOUNDS LIKE: Annette M. Zeman, Mahan Azadpour, Elad Sagii, Jonathan D. Neukam, Mario A. Svirsky

Th44a: INTERACTION OF ELECTRIC AND ACOUSTIC STIMULATION AND ITS EFFECT ON BINAURAL CUES AND SPATIAL RELEASE FROM MASKING: Timothy J Davis, Rene Gifford

Th44b: ADAPTATION TO FREQUENCY-PLACE FUNCTIONS IN SINGLE-SIDED DEAFNESS LISTENERS: Jonathan Neukam, Mahan Azadpour, Elad sagii, Annette Zeman, Mario Svirsky

Th45a: MEASUREMENT OF ACOUSTIC AND ELECTRIC BIASING OF ELECTROPHONIC RESPONSE IN THE GUINEA-PIG INFERIOR COLLICULUS: Attila Frater, Soren Kamaric Riis, Patrick Maas, Torsten Marquardt


Th46a: CAN A LATE HEARING LOSS AFTER HYBRID-L IMPLANTATION BE PREDICTED BY IMPEDANCE CHANGES?: Gerrit Paasche, Simon Konrad, Thomas Lenarz, Andreas Buechner