
Carol L. Mackersie

School of Speech, Language and Hearing Sciences
SDSU / UCSD Joint Doctoral Program in Audiology (AuD)
San Diego State University
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EDUCATION

Ph.D.	Speech and Hearing Sciences	City University of New York	1995
M.A.	Speech Pathology/ Audiology	San Diego State University	1980
B.A.	Speech Pathology/ Audiology	University of Michigan	1977

ACADEMIC APPOINTMENTS (Full time)

SDSU/UCSD Joint AuD Program SDSU Audiology / UCSD School of Medicine (ENT)	Joint program Co-Director SDSU Audiology Program Director	2016-
San Diego State University Sp/Lang Hearing Sciences	Professor	2009-present
San Diego State University Sp/Lang Hearing Sciences	Associate Professor	2002-2009
San Diego State University Sp/Lang Hearing Sciences	Assistant Professor	1996-2002

ACADEMIC APPOINTMENTS (Part time)

University of Florida Audiology (AuD program)	Educational Facilitator Distance Learning Program	1999-2008
Brooklyn College (NY) Sp Pathology/Audiology	Lecturer	1995
Columbia University Medical School Otolaryngology (NY)	Clinical Instructor	1989-1993
San Diego State University Sp Pathology/Audiology	Lecturer	1988

CLINICAL EMPLOYMENT

Columbia- Presbyterian Medical Center 61 st St. Faculty Practice, New York, NY	Clinical Audiologist	1988-1992
Speech, Hearing & Neurosensory Cnt Children’s Hospital, San Diego, CA	Director of Diagnostic Audiology & Hearing Aid Services	1982-1988
Speech, Hearing & Neurosensory Cnt Children’s Hospital, San Diego, CA	Clinical Audiologist & Rehabilitation specialist	1980-1982

CLINICAL LICENSURE AND CERTIFICATION – AUDIOLOGY

State of California	Dispensing audiologist license (Lic# DA662)
American Sp, Language, Hearing Assoc	Certificate of clinical competence (CCC-A)

RESEARCH

FUNDING

Current:

National Institutes of Health- NIDCD: 1R33DC015046 (Total project cost: \$1,962,962) Self fitting of amplification: Methodology and candidacy; Role: **Principal Investigator** (with Hari Garudadri - UCSD Computer Science/ Electrical Engineering Dept.) - (January 1, 2017-December 31, 2020)

Completed

National Institutes of Health-NIDCD: 1R21DC015046 (Total project cost: \$221,917) Self fitting of amplification: Methodology and candidacy; Role: **Principal Investigator** (with Hari Garudadri - UCSD Computer Science/ Electrical Engineering Dept.) (January 1, 2016-Dec 31, 2016) [Phased /R21-R33 award]

UCSD Medical Devices and Systems Initiative / Electrical and Computer Engineering: (September 2015-2016) “Smart Noise Management System for Hearing Aids”, Bhaskar Rao (PI), Role: Co-investigators with Harinath Garudadri (Engineering) , Arthur Boothroyd (SDSU)

National Institutes of Health (NIDCD: 1R03DC007500) (\$150,000 Direct costs) “Perception of Competing Talkers by the Hearing Impaired” (July 2006 – June 2009)

Role: **Principal Investigator**

National Institutes of Health (NIDCD: 2R44DC006734) Enabling Hearing Aid Functions on Digital Cell Phones - Phase II, (April 2006 – March 2008), (Yingyong Qi, Principal Investigator)

Role: **Principal Investigator of subcontract** “Clinical evaluation of a Hearing aid Enabled cell phone” (Subcontract -direct costs: \$163,100)

National Institutes of Health (NIDCD: 1 R44CD006734) Enabling Hearing Aid Functions on Digital Cell Phones - Phase I, June 2004-December 2004, (Yingyong Qi, Principal Investigator)

Role: **Consultant**

Blasker Science & Technology Award, San Diego Foundation (\$71,447) “A new approach to optimize hearing for individuals with hearing loss” (July 1, 2001 to June 30, 2002); Role: **Principal Investigator**

American Speech-Language Hearing Association “New Investigator Award” (\$5000) “The effects of peak clipping on the perception of simultaneous and single sentences” (November, 1997 to December, 1998) :

Role: **Principal Investigator**

Intramural awards – San Diego State University (SDSU)

SDSU - Research Scholarship and Creative Activity Award (Spring, 1997): “Assessing ‘Ease of Listening’ in Hearing-Impaired Listeners Using the CUNY Simultaneous Sentence Test” , Role: PI

SDSU, Sponsored Research Award (January 2000 to January 2001) “Forward Masking as a Predictor of Benefit from Different Hearing Aid Processing Schemes”, Role: PI

SDSU Faculty Grant-in-Aid Award (January 2000 to June 2001) ” Temporal Masking as a Predictor of the Need for Compression Amplification”, Role: PI

PUBLICATIONS – PEER REVIEWED (*Student collaborator)

Mackersie, C.L., Kim, K.* , Baxter, S.* and Lane, M.* (In press). Subjective criteria underlying noise-tolerance in the presence of speech. *International Journal of Audiology*

Mackersie, C.L., Boothroyd, A. and Garudadri, H. (2020). User self-adjustment of amplification: Effects of speech recognition test exposure and background noise. *Trends in Hearing*, 24, 1-16.

<https://doi.org/10.1177/2331216520930545>

Mackersie, C.L., Boothroyd, A., and Lithgow, A.* (2019). A Goldilocks approach to self-fitting: Ear-canal output and speech intelligibility index. *Ear Hear*, 40, 107-115 NIHMSID 962618

: [10.1097/AUD.0000000000000617](https://doi.org/10.1097/AUD.0000000000000617) Impact factor 3.1

Boothroyd, A. and **Mackersie, C.L.** (2017). A “Goldilocks” approach to hearing-aid self-fitting: User interactions. *Am J Audiol*, 26 (3S), 430-435.

Mackersie, C.L. and Kearney, L.* (2017) Autonomic nervous system responses to hearing-related demand and evaluative threat. *Am J Audiol*, 26 (3S), 373-377.

Mackersie, C.L. and Calderon-Moultri, N*. (2016). Autonomic nervous system reactivity during speech repetition tasks: Heart-rate variability and skin conductance, *Ear Hear*, 37 Suppl 1, S118-S125.

http://journals.lww.com/ear-hearing/Fulltext/2016/07001/Autonomic_Nervous_System_Reactivity_During_Speech.14.aspx

Pichora-Fuller, M. K., Kramer, S. E., Eckert, M. A., Edwards, B., Hornsby, B. W., Humes, L. E., Lemke, Ulrike; Lunner, Thomas; Matthen, Mohan; **Mackersie, . . .** Wingfield, A. (2016) Hearing Impairment and Cognitive Energy: The Framework for Understanding Effortful Listening (FUEL). *Ear Hear*, 37 Suppl 1, 5s-27s. doi: 10.1097/aud.0000000000000312.

Mackersie, C.L., MacPhee, I.X.* , & Heldt, E.W.* (2015). Effects of hearing loss on heart rate variability and skin conductance measured during sentence recognition in noise. *Ear Hear*, 36: 145-54.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4272605>

Mackersie, C.L., Dewey, J.* , and Guthrie , L. (2011) Effects of fundamental frequency and vocal-tract length cues on sentence segregation by listeners with hearing loss. *Journal of the Acoustical Society of America*, 130, 1006-1019.

Mackersie, C.L. and Cones, H.* (2011) Subjective and psychophysiological indices of listening effort in a competing-talker task. *Journal of the American Academy of Audiology*, 22, 113-122.

Guthrie, L.* and **Mackersie, C.L.** (2009) Towards optimizing presentation level for suprathreshold word recognition testing. *Journal of the American Academy of Audiology*, 20, 381-390.

Mackersie, C.L., Qi, Y., Boothroyd, A. and Conrad, N.* (2009) Evaluation of cell phone technology with digital hearing aid features: Effects of encoding and individualized amplification, *Journal of the American Academy of Audiology*, 20, 109–118.

Mackersie, C.L. (2007) Loudness discomfort and hearing aids: Are unaided loudness measures needed? *Journal of the American Academy of Audiology*, 18, 502-512.

Mackersie, C.L. (2007) Temporal intra-speech masking of plosive bursts: Effects of hearing loss and frequency shaping. *Journal of Speech, Language and Hearing Research*. 50, 554-563.

Mackersie, C.L., Crocker, T.* and Davis, R.* (2004) Limiting high-frequency hearing-aid gain in listeners with and without cochlear dead regions. *Journal of the American Academy of Audiology*, 15, 498-507.

- Mackersie, C.L.** (2003) Sequential stream segregation and talker separation: Performance patterns associated with talker gender. Journal of Speech, Language and Hearing Research , 46, 912-918.
- Mackersie, C.L.** (2002) Tests of speech perception. Current Opinion in Otolaryngology & Head and Neck Surgery, 10, 392-397.
- Mackersie, C.L.** (2002) The relationship between pure-tone sequential stream segregation and perceptual separation of male and female talkers by listeners with hearing loss. In Hanson, J.L. and Pellom, B. (Eds.) Proceedings of the 7th International Conference on Spoken Language Processing, (Vol 1, 429-432), Causal Pty, Ltd.(Adelaide, Australia).
- Mackersie, C.L.** & Minniear, D.* (2001) Evaluation of a Computer Assisted Speech Perception Test (CASPA), Journal of the American Academy of Audiology, 12, 390-396
- Mackersie, C.L.**, Prida, T.* and Stiles, D. T.* (2001). The role of frequency selectivity and sequential stream segregation in the separation of simultaneous talkers by listeners with sensorineural hearing impairment , Journal of Speech Language and Hearing Research, 4, 19-28.
- Mackersie, C.L.**, Boothroyd, A., and Prida, T.* (2000) Use of a simultaneous sentence perception test to enhance sensitivity to ‘ease of listening’ , Journal of Speech, Language and Hearing Research, 43, 675-682.
- Mackersie, C.L.**, Neuman, A.C. and Levitt, H. (1999). Response time and word recognition measures using a word-monitoring task: List equivalency and time-order effects, Ear and Hearing, 20, 515-520.
- Mackersie, C.L.**, Neuman, A.C. and Levitt, H. (1999) . A comparison of response time and word recognition measures using a word monitoring and closed-set identification task. Ear and Hearing, 20, 140-148.
- Neuman, A.C., Bakke, M., **Mackersie, C.L.** and Levitt, H. (1998). The effect of compression ratio and release time on the categorical rating of sound quality. Journal of the Acoustical Society of America. 103, 2273-2281.
- Neuman, A.C., Hellman, S., **Mackersie, C.L.** , and Levitt, H. (1995). The effect of release-time in compression hearing aids: paired comparison judgments of quality. Journal of the Acoustical Society of America. 98, 3182-3187.
- Mackersie, C.L.** and Stapells, D.R. (1994). Auditory brainstem response wave I prediction of conductive component in infants and young children. Journal of Audiology: A Journal of Clinical Practice. July, 52-58.
- Mackersie, C.L.** , Down, K. and Stapells, D.R. (1993). Pure-tone masking profiles for human auditory brainstem and middle latency responses. Hearing Research, 65, 61-68.

MANUSCRIPTS IN PREPARATION

Boothroyd, A., **Mackersie, C.L.**, and Retana, J* The effect of gain controller type on user adjustment of amplification.

Mackersie, C.L. and Kim, N.K. Efficacy of hearing aid self-adjustment in a clinical setting.

CONFERENCE PRESENTATIONS (PEER-REVIEWED) (Asterisk = SDSU student)

- Baroody, B*. and Mackersie, C. (2020 Sept) The effect of noise sensitivity on emotional and cardiac responses to sound. Podium paper presented at the California Academy of Audiology, San Diego, California
- Boothroyd, A., Kirsch, C., Painter, S*. Mackersie, C. Garudadri, H. (2019 Dec). Usability assessment of a wearable speech-processing platform. Presented at the 178th Meeting of the Acoustical Society of America in San Diego, California.
- Boothroyd, A., Mackersie, C.L., Zubaty, T., and Garudadri, H. (2019 Dec) Researcher and user interfaces for the studies of hearing-aid self adjustment. Presented at the 178th Meeting of the Acoustical Society of America in San Diego, California.

- Retana, J.*, Mackersie, C.L., and Boothroyd, A. (2019 Mar) Hearing aid self-adjustment: Number and sequence of listener controls. Presented at the American Auditory Society, Scottsdale, AZ
- Kim, K.*, and Mackersie, C.L. (2018 Sept) Individual differences in noise tolerance domains: Associations with personality and noise sensitivity. Presented at the California Academy of Audiology Conference, Anaheim, CA
- Boothroyd, A. Hobbs, G.*, Mackersie, C.L. and Garudadri (2018 Aug) Application of open-source speech processing platforms to independent hearing-aid research: two examples. Presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA
- Mackersie, C.L., Boothroyd, A. and Garudadri, H. (2018 Aug) Hearing-aid self-adjustment by experienced hearing-aid users using the Goldilocks protocol. Presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA
- Mackersie, C.L., Boothroyd, A. and Garudadri, H. (2018 May) Research on hearing-aid self-adjustment by adults. Presented at the Meeting of the Acoustical Society of America, Minneapolis, MN
- Lithgow, A.*, Mackersie, C.L. and Boothroyd, A. (2017 Sept) Self-adjusted amplification by experienced hearing-aid users. Presented at the California Academy of Audiology Conference, Sacramento, CA
- Lithgow, A.*, Mackersie, C.L., and Boothroyd, A. (2017 Mar) Comparison of self-adjusted amplification and own hearing-aid response. Presented at the American Auditory Society Meeting, Scottsdale, AZ.
- Kearney, L.* and Mackersie, C.L. (2016 Sept) The effects of social evaluation and task demand on communication-related stress. Presented at the California Academy of Audiology Conference, San Diego, CA.
- Boothroyd, A., Mackersie, C., and Datuin, M.* (2016 Aug) Self-assessment of pure-tone thresholds: a comparison of two approaches. Presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA
- Mackersie, C.L. and Kearney, L.* (2016 Aug) Interactive effects of evaluative observation and listening task demand on measures of autonomic nervous system activity in listeners with hearing loss. Presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA
- Boothroyd, A. and Mackersie, C.L. (2016 Mar) Hearing aids: user-adjustment of output and spectrum. Presented at the American Auditory Society Meeting, Scottsdale, AZ.
- Baxter, S.* and Mackersie, C.L. (2015 Mar). Individual differences in domain-specific sound tolerance and executive function. Presented at the American Auditory Society Meeting, Scottsdale, AZ.
- Lane, M.* and Mackersie, C.L. (2015 Mar). Sound tolerance domains: Effects of noise type. Presented at the American Auditory Society Meeting, Scottsdale, AZ.
- Baxter, S.* and Mackersie, C.L. (2014 Sept) Relations between domain-specific sound tolerance and executive function. Presented at the California Academy of Audiology
- Lane, M.* and Mackersie, C.L. (2014 Sept) The effects of noise type on sound tolerance domains underlying Acceptable Noise Level measures. Presented at the California Academy of Audiology
- Mackersie, C.L., Baxter, S.*, and Lane, M.* (2014 August) Domains of sound-tolerance underlying Acceptable Noise Level. Presented at the International Hearing Aid Research Conference (IHCON), Lake Tahoe, CA
- Mackersie, C.L. (2013 May) Hearing loss-related stress: Autonomic nervous system reactivity during speech recognition. Presented at the Biennial Conference of the International Collegium of Rehabilitative Audiology, Helligsnor, Denmark
- Mackersie, C.L., McPhee, I.*, and Wilson, E.* (2013 Mar) Hearing loss affects autonomic nervous system activity during speech recognition. Presented at the American Auditory Society Meeting, Scottsdale, AZ.
- McPhee, I.* and Mackersie, C.L. (2012 Sept) Effects of hearing loss and competition on effort and stress when listening in noise. Presented at the California Academy of Audiology Meeting, Anaheim, CA.
- McPhee, I.* and Mackersie, C.L. (2012 April). Effects of hearing loss and noise type on effort and stress. Presented at AudiologyNow – American Academy of Audiology Meeting, Boston, MA.
- McPhee, I.* and Mackersie, C.L. (2012 March). Speech segregation using F0 cues: Auditory and cognitive factors. Presented at the American Auditory Society Meeting,, Scottsdale, AZ

- Major, I.* and Mackersie, C.L. (2011, September) The role of auditory and cognitive factors in speech segregation. Presented at the California Academy of Audiology, Anaheim.
- Cones, H.* and Mackersie, C.L. (2010, April) Sensitivity of physiologic measures to listening effort. Presented at the American Academy of Audiology Meeting, San Diego.
- Lee, S.* and Mackersie, C.L. (2010 April). Aided PI Functions: Generic vs Proprietary Settings. Presented at the American Academy of Audiology Meeting, San Diego.
- McMahan, L.* and Mackersie, C.L. (2010, April). Comparison of Hearing Aid Technology for Telephone Communication. Presented at the American Academy of Audiology Meeting, San Diego.
- Cones, H.* and Mackersie, C.L. (2009, Sept). Sensitivity of psychophysiological measures to changes in auditory task difficulty. Presented at the California Academy of Audiology, San Diego, CA
- McMahan, L.*. and Mackersie, C.L. (2009, Sept). A comparison of acoustic and electromagnetic hearing aid telephone settings: Speech recognition benefit on landline and cellular phones. Presented at the California Academy of Audiology, San Diego, CA
- McMahan, L.* and Mackersie (2009, March) A comparison of hearing aid technology for speech communication over the telephone. Presented at the Student Research Symposium, San Diego State University.
- Mackersie, C.L. Dewey, J.* and Guthrie, L. (2009, March). Talker segregation using F0 differences: Effects of Hearing loss and F0 uncertainty. Presented at the American Auditory Society Meeting,, Scottsdale, AZ
- Mackersie, C.L., Guthrie, L., Conrad, N.* and Dewey, J.* (2008, June). "Perceptual segregation of two talkers by people with hearing loss: Benefit from differences in vocal tract length and fundamental frequency". Presented at the International Congress of Audiology, Hong Kong.
- Lee, S.* and Mackersie, C.L. (2009 Sept). Effects of hearing aid adaptation management systems on speech recognition. Presented at the California Academy of Audiology, San Diego, CA
- Conrad, N.*, Keithly, E., Zettner, E., and Mackersie (2008, April) "Hearing sensitivity in HIV patients" Presented at the American Academy of Audiology Meeting, Charlotte, NC
- Mackersie, C.L., Meuel, C.* and Colyer, T*, Boothroyd, A. (2008, April). "Effect of talker differences on speech perception by simulated implantees with competition from a second talker." Presented at the 10th International Conference on Cochlear Implants & Other Implantable Auditory Technologies, San Diego, CA
- Mackersie, C.L., Qi, Y., Conrad, N.* and Harris, B.* (2008, March) "Evaluation of a hearing-aid enabled cell phone: Effects of encoding and individualized amplification." Presented at the American Auditory Society, Phoenix, AZ
- Conrad, N.* and Mackersie, C.L. (2007, September) "Benefits from isolated talker differences in vocal tract length: effects of simulated high-frequency hearing loss" Presented at the California Academy of Audiology Meeting, Long Beach, CA
- Conrad, N.* and Mackersie (2007, April) "The effects of high-frequency on perception of competing talkers" Presented at the American Academy of Audiology, Minneapolis, MN
- Mackersie, C.L. and Conrad, N.* (2007, March) "Effects of high-frequency audibility on the use of talker segregation cues" Presented at the American Auditory Society Meeting, Phoenix, AZ
- Guthrie, L.* and Mackersie, C.L. (2006, April) "Optimizing presentation levels for word recognition testing" Presented at the American Academy of Audiology, Minneapolis, MN
- Mackersie, C.L. (2006, April) "Unaided LDL Measures: Are they necessary?" Presented at the American Academy of Audiology, Minneapolis, MN
- Mackersie, C.L. (2005, November) "Can hearing aid frequency-response shaping reduce intra-speech masking?" Presented at the American Speech, Language, and Hearing Association Conference, San Diego, CA
- Mackersie, C.L., Crocker, T.L.*, Davis, R.A.* (2004, August) Benefits of high-frequency amplification in quiet and noise for threshold-matched ears with and without suspected cochlear dead regions. Presented at the International Hearing Aid Conference, Lake Tahoe, CA.

- Mackersie, C.L. (2002, September) "The relationship between pure-tone sequential stream segregation and perceptual separation of male and female talkers by listeners with hearing loss". Presented at the International Conference on Spoken Language Processing, Denver, CO
- Mackersie, C.L., Boothroyd, and Minniear, D.* (2001, April) "CASPA Test: List equivalency and practice effects" Presented at the American Academy of Audiology, San Diego, CA
- Mackersie, C.L., Prida, T.* and Stiles, D.* (2000, August). Talker separation and sequential stream segregation: Gender and ascending/descending paradigm effects. Presented at the International Hearing Aid Conference, Lake Tahoe, CA.
- Mackersie, C.L. and Boothroyd, A. (2000, March) "Recent Advances in Hearing Aid Outcome Measures". Presented at the California Speech-Language and Hearing Association Meeting, San Diego, CA
- Mackersie, C., Prida, T.* and Stiles, D.* (1999, March) "Concurrent talker separation in listeners with sensorineural hearing loss". Presented at the American Auditory Society Meeting, Phoenix, Arizona.
- Mackersie, C., Neuman, A. and Levitt, A. (1996, April) "Word recognition and response time in a forced-choice and monitoring task". Presented at the American Academy of Audiology, Salt Lake City Utah.
- Mackersie, C. and Boothroyd, A. (1995, December). "Studies using a psychoacoustic analog of a pediatric forced-choice speech perception test. Poster presented at the International Course on Hearing aids, Vibrotactile devices and cochlear implants: New strategies in the rehabilitation of profoundly deaf children. Bolzano, Italy,
- Neuman, A.C. Bakke, M.H., Mackersie, C., Levitt, H. (1995, September). "Sound quality ratings of compression: Effect of release time." Poster presented at the First Biennial Conference on Hearing Aid Research and Development, National Institutes of Health, Bethesda, Maryland
- Neuman, A.C., Hellman, S., Mackersie, C., and Levitt, H. (1994, November). "The effect of release-time on preference judgments". Paper presented and the Annual conference of the American Speech, Language and Hearing Association, November, 1994, Austin, Texas.
- Mackersie, C. and Boothroyd, A. (1994, June). "Human versus ideal performance on a 3-interval forced-choice task with stimulus uncertainty along one and two dimensions." Presented at the 127th meeting of the Acoustical Society of America, Cambridge, Mass.
- Mackersie, C., Down, K. and Stapells, D.R. (1992, February). "Pure-tone masking profiles for human auditory brainstem and middle latency responses." presented at the 14th annual meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.

CONFERENCE PRESENTATIONS: (INVITED)

- Mackersie, C.L. and Boothroyd, A. (2020 Sept) Hearing Aid Self-Fitting: An Update on Current Issues and Research. Paper presented at the California Academy of Audiology, San Diego, California.
- Mackersie, C.L. (2017) Autonomic nervous system measures of stress and effort. Presented at a featured session of AudiologyNOW Conference (American Academy of Audiology), Indianapolis, IN
- Mackersie, C.L. and Kearney, L.* (2016 June) "Effects of listening demand on sympathetic- and parasympathetic- nervous system activity" Presented at the HEAL (Hearing across the lifespan) Conference, Lake Como, Italy
- Boothroyd, A. and Mackersie, C.L. (2016 June) "Self-adjustment of amplification; efficacy and candidacy" Presented at the HEAL (Hearing across the lifespan) Conference, Lake Como, Italy
- Mackersie, C.L. (2015 June) Autonomic nervous system reactivity to sound and listening tasks. Invited talked presented at the Eriksholm Workshop on Cognitive Mobilization, Denmark.
- Mackersie, C.L. (2013 May) Autonomic indices of hearing-related stress: Effects of noise level and hearing loss. Presented to the Widex Research Group, Lyngbe, Denmark

- Mackersie, C.L. (2007, July) "Paediatric Amplification II: Paediatric Outcome Measures." Paediatric Audiology Workshop: "Children and Technology: Getting it right", University of the Witwatersrand, Johannesburg, South Africa
- Mackersie, C.L. (2007, July) "Paediatric Amplification I: Acoustic Verification". Paediatric Audiology Workshop: "Children and Technology: Getting it right", University of the Witwatersrand, Johannesburg, South Africa
- Mackersie, C.L. (2003, September) "Cochlear dead regions: Diagnosis and considerations for hearing aid fitting" Presented at the Californian Academy of Audiology, San Diego, CA
- Mackersie, C.L. (2002, June) "Auditory/Linguistic Management III. Impact of Auditory Neuropathy", Presented at the National Aural Rehabilitation Workshop, Taipei, Taiwan.
- Mackersie, C.L. (2002, June) "Advances in Hearing Aid Technology", Presented at the National Aural Rehabilitation Workshop, Taipei, Taiwan.
- Mackersie, C.L. (2002, June) "Advances in Pediatric Hearing Aid Fitting", Presented at the National Aural Rehabilitation Workshop, Taipei, Taiwan.
- Mackersie, C.L. (2002, June) "Auditory threshold testing of infants and young children", Presented at the National Aural Rehabilitation Workshop, Taipei, Taiwan.
- Mackersie, C.L. (2000, May) "Issues in Auditory Brainstem Response Testing in Young Children: Predicting Hearing Loss", Presented at the International Pediatric Otolaryngology / Audiology Conference, Buenos Aires, Argentina.

TEACHING

COURSES TAUGHT

AUD 713	Research Methods Lab	Current
AUD 701	Clinical Practicum	1996-2006, 2012
AUD 710	Hearing Amplification I	Current
AUD 711	Hearing Amplification II	2003-2008
AUD 712	Research and Evidence-Based Practice in Audiology	2007-2016, 2019
AUD 795	Research Practicum	Current
AUD 810	Seminar in Hearing Aid Research and Technology	Current
AUD 835	Psychoacoustics and Speech Perception	1996-2016, 2020
AUD 899	Doctoral Research Project	Current
SLHS 340	Techniques in Audiometry	1997-2003

RESEARCH MENTORING

AuD Doctoral Doctoral Research Project Committee

(Joint SDSU/UCSD Doctoral Program in Audiology – AuD) (*co-author on publication)

<i>Committee Chair</i>		<i>Committee Member</i>	
<i>Completed</i>	<i>Student</i>	<i>Completed</i>	<i>Student</i>
2007	Lesli Guthrie *	2007	Kathryn Pegan
2007	Noemi Haro	2008	Nicole Conrad
2008	Stephanie Smith	2010	Barbara Harris
2010	Lindsey McMahan	2013	Stephanie Gonzales
2010	Shawna Lee	2017	Stacey Ochoas-Armas
2011	Heather Cones*	2019	Alex Rieser
2012	Imola McPhee*	2019	Shannon Doolittle
2013	Emily Wilson*	2020	Molly Cooper
2013	Natalie Calderon*		
2013	Ashley Page		
2015	Megan Lane*		
2015	Stephanie Baxter*		
2016	Lucia Kearney *		
2017	Mark Datuin		
2017	Alexandra Lithgow*		
2018	Lidia Romero		
2018	Kayden Kim*		
2018	Brittany Thrall		
2019	Christine Nguyen		
2020	Jennifer Retana		
In progress	Belinda Barody		
In progress	Jocelyn Yang		
In progress	Kiri Rao		
In progress	Jenna Strop		

Masters Theses

- 2007 Puru Patil – “Simulation of parametric equalizer and dynamic processing for acoustic signals”, School of Engineering, Division of Electrical Engineering”
- 1999 Tammy Prida “Auditory performance on the CUNY Simultaneous Sentence Test using a divided- and selective-attention task” (Chair)
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SERVICE

Service for the School of Speech, Language, and Hearing Sciences

Administrative:

- SDSU Audiology Program Director (May 2016 – present)
- Acting Division Head, Audiology (Fall 2006-Spring 2007)

Committees (Chair)

- Chair, AuD Admissions Committee (Fall 2016-present)
- Chair of Audiology Division (Fall 1997 to 2002)
- Chair of Audiology faculty Search committee (Fall 2002 – Spring 2003)
- Chair, Equipment and Space Committee (Fall 1999 – 2005) (Chair since 2003)
- Chair, Personnel Committee - School of SLHS (2005- 2007 & 2020)
- Chair, Audiology faculty Search Committee (Fall 2019)

Committees (member):

- Member: various search committees (Dept Chair 2001), (Faculty searches 2000, 2005, 2007, 2016)
- Member Department Personnel Committee (Fall 2002 to Present)
- SLHS Executive Committee (Fall 2016-present)
- Clinical Leadership Team (2018-present)

Service for the SDSU/ UCSD Joint Doctoral Program in Audiology

- Co-Director Joint Doctoral Program (May 2016 – present)
- Member Joint Doctoral Program Executive Committee (2003- present)
- Member Joint Doctoral Program Student Disciplinary (Review) Committee (2008-present)

Service for the University

- General Education Committee (Spring 2001 to Spring 2006)
- University Senate (Term May 2007-May 2010)
- Committee on Committees (May 2008-May 2010)
- Faculty Hearing Panel (Term 2007-present)
- University Review Panel for Tenure and Promotion (2011-2013)
- Faculty Fellow – Center on Aging (SDSU) (2012-present)

Service for the Professional Community

Editorial Boards

- Assistant Editor – Journal of the American Academy of Audiology (2007 – present)
- Section Editor (Amplification) – Ear and Hearing (November 2007 – December 2011)

- Guest section editor – Ear and Hearing (2012-present)
- Guest editor – Journal for the Association of Research in Otolaryngology (2016)
- Guest editor – Audiology and Neuro-Otology (2018, 2019)

Ad-hoc Reviewer

- American Journal of Audiology (2003-present)
- Audiology and Neuro-Otology (2005-present)
- Ear and Hearing (2002-present)
- Hearing Research (2005-present)
- International Journal of Audiology (2007-present)
- Journal of the Acoustical Society of America (1997-present)
- Journal of the American Academy of Audiology (1999-present)
- Journal of Rehabilitation Research and Development (2002-present)
- Journal for the Association of Research in Otolaryngology (JARO) (2015-present)
- Journal of Speech, Language and Hearing Research (1999-present)
- Psychophysiology (2013-present)
- Noise and Health (2014-present)
- Frontiers in Psychology (2015-present)
- Trends in Amplification (2015-present)
- Journal of Medical Informatics (2019-)

Reviewer: Funding Agencies

- American Academy of Audiology Foundation (2005-2007)
- Medical Research Council – South Africa (2010)
- The Netherlands Organisation for Health Research and Development (2019)
- National Institutes of Health – Special Emphasis Review panel (2019)

Professional organizations

- Chair – Program Committee: Research Podium and Poster Presentations, American Academy of Audiology National Conference (2008-2009)
- Member: various conference committees: American Academy of Audiology (2005, 2006, 2007, 2011), California Academy of Audiology (2003, 2004, 2005)
- Reviewer: Student Research Forum, “AudiologyNOW” Annual conference for the American Academy of Audiology (2011-2012)
- Member ASHA Educational Summit AuD Task Force on Residency (2017-2018)