

# **Teralandur K. Parthasarathy, Ph.D., FAAA**

344 Westminster Drive . Glen Carbon, Illinois 62034 . (618) 288-5286

## ***EDUCATION***

University of Texas at Dallas-Dallas, Texas  
Doctor of Philosophy-Audiology  
(1982-1987)

University of Salford-Salford, England  
Master of Science-Audiology  
(1978-1980)

University of Mysore-Mysore, India  
Bachelor of Science-Speech Pathology and Audiology  
(1972-1976)

## ***PROFESSIONAL EXPERIENCE***

### **Professor**

Southern Illinois University Edwardsville  
Edwardsville, Illinois 62026  
(2001-present)

### **Associate Professor**

Southern Illinois University Edwardsville  
Edwardsville, Illinois 62026  
(1994-present)

### **Assistant Professor**

Southern Illinois University at Edwardsville  
Edwardsville, Illinois 62026  
(1987-1989; 1990 to 1994)

### **Assistant Professor**

St. John's University  
Jamaica, NY 11439  
(1989-1990)

### **Director of Audiology**

Jayne Shover Easter Seal Rehabilitation Center  
Elgin, Illinois 60120  
(1980-1982)

### **Junior Speech Pathologist and Audiologist**

Speech and Hearing Center  
Bangalore, India 570006  
(1976-1978)

## ***PEER REVIEWED RESEARCH PUBLICATIONS, RESEARCH, MANUSCRIPT & BOOK IN PROGRESS***

### ***Research Publications***

**Parthasarathy, T.K. and Gita J. Malur (2004):** Otitis Media: Diagnosis and Management. Book Chapter in *Aural Rehabilitation of People with Disabilities, Chapter 6: 131-149. Academic Press.*

**Parthasarathy, T.K. Bhat, V. and Malur, G (2003).** Otitis Media: A primer on diagnosis and management. *The Hearing Journal* 56 (6):42-48.

**Parthasarathy, T.K. and Klostermann, B. (2001).** Similarities and Differences in Distortion Product Otoacoustic Emissions Among Four FDA approved Devices. *Journal of American Academy of Audiology* 12: 397-405.

**Parthasarathy, T.K. (2001).** Aging and Contralateral Suppression Effects on Transient Evoked Otoacoustic Emissions. *Journal of American Academy of Audiology* 12:80-85.

**Parthasarathy, T.K. (2000).** In Measuring Transient Evoked Otoacoustic Emissions in Adults, is Age a Factor? *The Hearing Journal* 53(8):40-46.

**Parthasarathy, T.K. (2000).** Electrophysiologic Assessment of CAPD: A Review of the Basics. *The Hearing Journal* 53(4):52-60.

**Parthasarathy, T.K., Borgsmiller, P. and Cohlán, B.(1998).** Effects of Repetition Rate, Phase and Frequency on the Auditory Brainstem Response in Newborn Neonates and Adults. *Journal of American Academy of Audiology* 9: 134-140.

**Parthasarathy, T.K. and Moushegian, G. (1993).** Rate, Frequency, and Intensity Effects on Early Auditory Evoked Potentials and Binaural Interaction Component in Humans. *Journal of the American Academy of Audiology* 4:229-237.

### ***Research in Progress***

**Parthasarathy, T.K.** Clinical Effectiveness of Auditory Steady State Response (ASSR) and Auditory Brainstem Response (ABR) in Normal and Hearing Impaired Subjects.

### ***Book Publication***

***An Introduction to Auditory Processing Disorders in Children (2006). Lawrence Erlbaum Publishing. ISBN # 0-8058-539208.***

### ***Manuscripts in Progress***

**Vishwa, B. and Parthasarathy, T.K.** Factors Influencing Auditory Temporal Processing Skills in Normal and Hearing Impaired Subjects.

## ***PEER REVIEWED PLATFORM PRESENTATIONS***

### ***Accepted Presentations (National and International)***

**Popelka, G.R., Causevic, E., Karzon, R.K. and Parthasarathy, T.K. (2001).** Measurement Principles for Neonatal Auditory Screening. *American Academy of Audiology Convention, San Diego, California.*

**Parthasarathy, T.K. (2001).** Assessment and Management of Auditory Processing Disorders: *Nebraska Speech and Hearing Association Convention, Kearny, NE.*

**Parthasarathy, T.K. (2000).** Aging and Contralateral Suppression Effects on Transient Evoked Otoacoustic Emissions. *American Auditory Society Convention, Scottsdale, AZ.*

**Parthasarathy, T.K. (1997).** Aging and Contralateral Suppression Effects on Transient Otoacoustic Emissions. *American Speech-Language-Hearing Association Convention, Boston, MA.*

**Parthasarathy, T.K., Borgsmiller, P. and Cohlán, B.(1995).** Effects of Repetition Rate, Phase and Frequency on the Auditory Brainstem Response in Newborn Neonates and Adults. *International Acoustical Society of America-130th fall Convention, St.Louis, Missouri.*

**Parthasarathy, T.K. (1993).** Effects of Rate, Phase, and Sex on the Auditory Brainstem Response in Normal Hearing Subjects. *Acoustical Society of America-126th fall meeting, Denver, Colorado.*

**Parthasarathy, T.K. and Riaz, K. (1992).** Effects of Stimulus Repetition Rate and Phase on the Auditory Brainstem Response in Normal Hearing Subjects. *American Academy of Clinical Neurophysiology-7th Annual meeting, Chicago, Illinois.*

**Parthasarathy, T.K. (1991).** Rate and Intensity Effects on the Binaural Interaction Component in Normal and Hearing Impaired Subjects. *Acoustical Society of America-122nd fall meeting, Houston, Texas.*

**Moushegian, G. and Parthasarathy, T.K. (1989).** Binaural Level and Time Difference Effects on Brainstem Evoked Responses. *2nd World Congress of Neuroscience*, Budapest.

**Parthasarathy, T.K. and Moushegian, G. (1988).** Frequency, Rate, and Intensity Effects on Brainstem Binaural Interaction Component. *Illinois Speech and Hearing Association Convention*, Chicago, Illinois.

**Parthasarathy, T.K. and Moushegian, G. (1987).** The Duplex Nature of the Brainstem Binaural Interaction Component. *Acoustical Society of America-112th spring meeting*, Indianapolis, Indiana.

**Parthasarathy, T.K. and Moushegian, G. (1986).** Rate and Frequency Effects on Binaural Interaction Responses. *Acoustical Society of America-111th spring meeting*, Cleveland, Ohio.

#### *Accepted Presentations (State)*

**Parthasarathy, T.K. (1997).** Frequency, Rate and Intensity Effects on Binaural Interaction Component in Human Subjects. *Missouri Speech-Language-Hearing Association Convention, St.Louis, Missouri.*

**Parthasarathy, T.K. (1997).** Effects of Repetition Rate, Phase and Frequency on the Auditory Brainstem Response in Neonates and Adults. *Missouri Speech-Language-Hearing Association Convention, St. Louis, Missouri.*

**Parthasarathy, T.K. (1994).** An Overview of the Auditory Evoked Potentials in Difficult-to-test Population. *Special Population Institute Convention. Effingham, Illinois.*

#### *Funded Grants*

**2002    Electronystagmography for Balance Assessment**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office  
of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (**\$8,760**)

**2001    The Computerized Hearing Aid Analyzer**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office  
of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (**\$5,300**)

**2002    Clinical Validation of a Portable Audioscreener for Hearing Assessment**  
*Funded by The Everest Company, St. Louis, MO (\$13,830).*

**2001    Clinical Validation of a Portable Audioscreener for Hearing Assessment**  
*Funded by The Everest Company, St. Louis, MO (\$13,830).*

**2000    Clinical Validation of a Portable Audioscreener for Hearing Assessment**  
*Funded by The Everest Company, St. Louis, MO (\$13,830).*

**2000    The Portable Evoked Otoacoustic Emissions**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office  
of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (**\$5,495**)

**2000    Development of Prototype Otoacoustic Emissions Device for Hearing Assessment**  
*National Institute of Health*  
Research Consultant with Dr. Gerald Popelka, Washington University  
Medical School, St. Louis, MO and The Everest Company, St.Louis, MO (**\$500,000**)

**1999    The Video Otoloscope**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office  
of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (**\$4,000**)

- 1998 Development of Portable Instrument for Measuring Evoked Otoacoustic Emissions**  
George Engel and Parthasarathy, T.K.  
*Funded University Research (FUR)*  
Southern Illinois University at Edwardsville (\$6,575)
- 1998 Funding to Support Faculty Developed Web-delivered Courses (Basic Audiometry-SPPA 461)**  
Dennis Hostetler and Parthasarathy, T.K.  
*Funded by Excellence in Graduate Education (EGE)*  
Southern Illinois University at Edwardsville (\$10,000)
- 1995 The Programmable Hearing Simulator**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (\$6,800)
- 1994 Otoacoustic Emissions for Hearing Assessment**  
*Funded by Excellence in Undergraduate Education Award*  
Planning Council of the Faculty Senate and the Office of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (\$11,900)
- 1993 Auditory Brainstem Response Audiometry for Hearing Assessment**  
Planning Council of the Faculty Senate and the Office of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (\$13,700)
- 1993 Effect of Stimulus Repetition Rate and Phase on ABR in Normal and Multiple Sclerosis Subjects (\$6,020)**  
*Funded University Research Award*  
Planning Council of the Faculty Senate and the Office of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville
- 1992 Acoustic Impedance Audiometry for Hearing Assessment**  
Planning Council of the Faculty Senate and the Office of the Provost and Vice Chancellor for Academic Affairs  
Southern Illinois University at Edwardsville (\$8,000)
- 1990 Microtympanometry for Middle Ear Assessment**  
Office of Research and Projects  
Research Projects Advisory Board  
Southern Illinois University at Edwardsville
- 1990 Comparison of Threshold Estimates Using ABR and MLR in Normal and Hearing Impaired Subjects.**  
*University Recognized Research (URR) Award*  
Southern Illinois University at Edwardsville

*Submitted Grants*

- 1999 Effects of Competing Noise on the Speech Perceptual Skills of Native and Non-native English Speaking Children**  
*Funded University Research Award*  
Southern Illinois University at Edwardsville (\$6,075)
- 1999 On-line Course Development: Sppa 503 and Sppa 461**  
*Funded University Research Award*  
Southern Illinois University at Edwardsville (\$4,000)

- 1998** **Mini-grant Application for Distance Learning-Sppa 461**  
*Regional Center for Distance Learning  
and Multimedia Development*  
Southern Illinois University at Carbondale (\$1,000)
- 1998** **Application of Technology Advances and Problem Based Learning  
in Speech and Hearing Laboratory Curriculum**  
*National Science Foundation*  
Consultant with Dr. Marlene Salas-Provance and Dr. Fran Tucker (\$189,966)
- 1997** **Age and Suppression Effects on Transient Evoked Otoacoustic Emissions**  
*Funded University Research Award*  
Southern Illinois University at Edwardsville (\$6,075)
- 1992** **A Developmental Study of Stimulus Repetition Rate, Phase and Frequency  
on ABR in Newborn Neonates and adults**  
Deafness Research Foundation (\$4,000)
- 1992** **A Developmental Study of Stimulus Repetition Rate, Phase and Frequency  
on ABR in Newborn Neonates and adults**  
American Speech-Language-Hearing Foundation (\$2,000)

*Professional Affiliations, Audiology Certification and Licensure*

American Speech-Language-Hearing Association  
American Academy of Audiology  
Illinois Academy of Audiology  
Illinois Speech-Language-Hearing Association  
Missouri Speech-Language-Hearing Associations  
Missouri Academy of Audiology