

CURRICULUM VITAE

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ACADEMIC TRAINING

Institution	Location	Dates	Major	Degree
Bowling Green State University	Bowling Green, Ohio	Sept. 1973 – August, 1977	Speech-Language Pathology	Ph.D.
University of Mysore	Mysore, India	May, 1967 – May, 1969	Speech and Hearing	M.Sc.
University of Mysore	Mysore, India	April, 1963 – April, 1967	Psychology	B.A

PROFESSIONAL CERTIFICATION

Certificate of Clinical Competence in Speech-Language Pathology, American Speech-Language-Hearing Association, January 1974 – Present.

Certificate of License, Iowa State Board of Speech Pathology and Audiology Examiners, April 1979 – Present.

TEACHING EXPERIENCE

Iowa State University, Ames, Iowa 50011, August 1983 to present, Associate Professor of Communication Disorders.

Iowa State University, Ames, Iowa 50011, September 1978 to July 1983, Assistant Professor of Speech Communication.

Edinboro State University, Edinboro, Pennsylvania 16444, January 1976 to August 1978, Assistant Professor of Speech Pathology.

Bowling Green State University, Bowling Green, Ohio 43403, September 1973 to August 1975, Teaching Fellow in Speech Pathology.

CLINICAL EXPERIENCE

Iowa Methodist Medical Center, Des Moines, IA, September 90 – August 92, Consulting Speech-Language Pathologist

Iowa State University, Ames, Iowa 50011, September; 1978 – present, Speech and Hearing Clinic Supervisor, Stuttering Treatment Program

Edinboro State University, Edinboro, Pennsylvania 16444, September 1977 – May 1978 Supervisor, Graduate Clinical Practicum in Speech Pathology, VA Hospital, Erie, PA

Kasturba Medical College Hospital, Manipal, Karnataka, India, March, 1971 – August 1973 Speech Pathologist and Audiologist in the Department of Ear, Nose, and Throat Diseases

All India Institute of Speech and Hearing, Mysore, India, July 1969 – June 1970, Paid Internship in Speech and Hearing Therapy

AREAS OF PROFESSIONAL INTEREST

Research Interests

Augmentative and Alternative communication (AAC)
Speech synthesis and recognition applications in Communication Disorders
Fluency Disorders (Stuttering)
Speech production theories and models

Teaching/Clinical Interests

Anatomy and Physiology of Speech and Hearing
Acoustics and Perception of Speech
Phonetics
Fluency Disorders
Voice Disorders
Neurological Communication Disorders
Speech and Hearing Instrumentation (including Computer Applications in Communication Disorders)
Augmentative and Alternative Communication

RESEARCH AND PUBLICATIONS

Refereed National Publications

- Venkatagiri, H. S., and Hinkle, W. (1975). A study of hemispheric asymmetry for auditory feedback control of speech, *Journal of Auditory Research*, 15, 289-294.
- Venkatagiri, H. S. (1980). The relevance of DAF-induced speech disruption to the understanding of stuttering, *Journal of Fluency Disorders*, 5, 87-98.
- Venkatagiri, H. S. (1980). The core disruption under delayed auditory feedback: evidence from adaptation study, *Journal of Communication Disorders*, 13, 365-371.
- Venkatagiri, H. S. (1981). Reaction time for voiced and whispered /a/ in stutterers and nonstutterers, *Journal of Fluency Disorders*, 6, 265-271.
- Venkatagiri, H. S. (1982). Reaction time for /S/ and /Z/ in stutterers: A test of discoordination hypothesis, *Journal of Communication Disorders*, 15, 55-62.
- Venkatagiri, H. S. (1982). A comparison of DAF-induced disfluencies with stuttering, *Journal of Communication Disorders*, 15, 385-393.
- Venkatagiri, H. S. (1987). Writing your own software: What are the options? *ASHA*: (A publication of the American Speech-Language-Hearing Association), 29, 27-30.
- Venkatagiri, H. S. (1988). "Public domain software: A resource guide for speech-language pathologists". *Journal of Computer Users in Speech and Hearing*, 4, 90-99.
- Venkatagiri, H. S. (1991). "Effects of rate and pitch variations on the intelligibility of synthesized speech," *Augmentative and Alternative Communication*, 7, 284-289.
- Venkatagiri, H. S. (1993). "Efficiency of lexical prediction as a communication acceleration technique." *Augmentative and Alternative Communication*, 9, 161 – 167.
- Venkatagiri, H. S. (1994) "Effect of window size on rate of communication in a lexical prediction AAC system". *Augmentative and Alternative Communication*, 10, 105 – 112.
- Venkatagiri, H. S. (1994). "Effect of sentence length and exposure on the intelligibility of synthesized speech". *Augmentative and Alternative Communication*, 10, 96 – 104.

- Anderson-Hsieh, J., & Venkatagiri, H. S. (1994) "Syllable duration and pausing in the speech of intermediate and high proficiency Chinese ESL speakers", *TESOL Quarterly*, 28, 807 – 812.
- Venkatagiri, H. S., & Ramabadrana, T. V. (1995). "Digital speech synthesis – tutorial". *Augmentative and Alternative Communication*, 11, 14 – 25.
- Venkatagiri, H. S. (1995). Techniques for enhancing productivity in AAC: A review of research. *American Journal of Speech-Language Pathology*, 4, 36-45.
- Venkatagiri, H. S. (1996). The quality of digitized and synthesized speech: What clinicians should know? *American Journal of Speech-Language Pathology*, 5, 31-42.
- Venkatagiri, H. S. (1999). Efficient keyboard layouts for sequential access in augmentative and alternative communication. *Augmentative and Alternative Communication*, 15, 126-134.
- Venkatagiri, H. S. (1999). Clinical measurement of rate of reading and discourse. *Journal of Fluency Disorders*, 24, 209-226.
- Venkatagiri, H. S. (2002). Clinical implications of an AAC taxonomy. *Augmentative and Alternative Communication*, 18, 45-57.
- Venkatagiri, H. S. (2002). Speech recognition technology applications in communication disorders. *American Journal of Speech-Language Pathology*, 11, 323 - 332.
- Venkatagiri, H. S. (2003). Segmental intelligibility of four currently used text-to-speech synthesis methods, *Journal of the Acoustical Society of America*, 113, 2094-2104.
- Venkatagiri, H. S. (2004). Slower and incomplete retrieval of speech motor plans is the proximal source of stuttering: stutters occur when syllable motor plans stored in memory are concatenated to produce the utterance motor plan. *Medical Hypothesis*, 62, 401-405.
- Venkatagiri, H. S. (2004). Segmental intelligibility of three text-to-speech synthesis methods in reverberant environments. *Augmentative and Alternative Communication* (accepted for publication, February, 2004).
- Venkatagiri, H. S. (submitted, 2004). Bridging the laboratory – “real-life” divide in stuttering. *Perceptual Motor Skills*, 99, 95-104.
- Venkatagiri, H. S. (in press). Recent advances in the treatment of stuttering: A theoretical perspective. *Journal of Communication Disorders*.

Regional Publications

- Venkatagiri, H. S., The Problem of Childhood Aphasia, *Journal of All India Institute of Speech and Hearing*, 1, 1-5, 1970.
- Venkatagiri, H. S., and Hyman, M., Format Frequency Characteristics of Esophageal Vowels Produced by Normal Speaking Subjects, *Journal of Pennsylvania Speech and Hearing Association*, 12, 4-11, 1979.
- Venkatagiri, H. S., and Hyman, M., An Approach to the Differential Diagnosis of Functional Articulation Disorders, *Journal of Iowa Speech and Hearing Association*, 21, 30-37, 1980.
- Venkatagiri, H. S. A Survey of Microcomputer Applications in Communication Disorders, *Journal of Iowa Speech and Hearing Association*, 25, 1-19, 1984.

Book Reviews

- "*Stuttering: Science, Therapy, & Practice*" by Thomas D. Kehoe. *Journal of Fluency Disorders*, 23, 195-200, 1998.

Software Development

- "*The Messenger*" (A communication program for severely speech impaired) – Favorably

reviewed in *ASHA* (A publication of the American Speech-Language-Hearing Association), 32, 73 – 74, 1990.

Editorial Responsibilities

Ad-hoc Reviewer, *American Journal of Speech-Language Pathology*

Ad-hoc Reviewer, *Journal of Speech-Language-Hearing Research*

Associate Editor, *Augmentative and Alternative Communication*, 1994 – 1997

Associate Editor, *Journal of Fluency Disorders*, 1997 – 1999

Member, Editorial Board, *Journal of Fluency Disorders*, 1989 – 1996

Reviewer, *ASHA: (American Speech-Language-Hearing Association Journal)*, 89 – 92.

Ad-hoc Reviewer, *Journal of the Acoustical Society of America*, 1988.

Co-editor, *Journal of Iowa Speech and Hearing Association*, 1982 -1984.

Selected Paper Presentations

"Microcomputer Applications in Communication Disorders", a two-hour presentation to the Central Iowa Speech and Hearing Association, May 1982.

"Microcomputer Applications in Communication Disorders", a two-hour presentation at the Annual Convention of the Iowa Speech and Hearing Association, October 1982.

"The Influence of Linguistic Stress on Stuttering", a paper presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1982, Toronto, Canada.

"Microcomputer Applications in Communication Disorders", a two-day workshop presented at Iowa State University (Continuing Education Program), August 1984, July 1985 and April 1986.

"Microcomputer-Aided Stuttering Treatment", a paper presented at the American Speech-Language-Hearing Foundation's Computer Conference, January 1986, Orlando, FL.

"Voice Evaluation and Treatment Using a Computer", a presentation at the American Speech-Language-Hearing Foundation's Computer Conference, January 1986, Orlando, FL.

"The Complete Communication System", a paper presented at the American Speech-Language-Hearing Foundation – Computer Conference, August 1986, Vancouver, Canada.

"Evaluation and Treatment of Voice Disorders Using a Computer," a paper presented at the American Speech-Language-Hearing Foundation's Computer Conference, February 1988, Mesa, AZ.

"Speech Impairment in ALS," a paper presented at the annual meeting of the Iowa Speech and Hearing Association, October 1989, Des Moines, IA.

"The Messenger: A Computer-based Communication System for Speech-Impaired," a paper presented at the Iowa Rehabilitation Technology Conference, Ames, IA, 1989.

"Microcomputer-aided Stuttering Treatment," a poster presented at the annual convention of the American Speech-Language-Hearing Association, November 1989, St. Louis, MO.

"Effects of Rate and Pitch Variations on the Intelligibility of Synthesized Speech," a paper presented at the Annual Convention of American Speech-Language-Hearing Association, November 1990, Seattle, WA.

"A study of Vocal Initiation", a paper presented at the annual convention of the American Speech-Language-Hearing Association, November 1991, Atlanta, GA.

"The Messenger; An AAC Program," A poster presentation at the Annual Convention of the

American Speech-Language-Hearing Association, November 1992, San Antonio, TX.

"Communication Acceleration in AAC", a mini-seminar presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1993, Anaheim, CA.

"Pause and syllable duration in the speech of ESL learners", (with Janet Anderson-Hsieh) presented at the Computers in Applied Linguistics Conference, July 11, 1994, Ames, IA.

"Efficient keyboard layouts for AAC", a poster presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1994, New Orleans, LA.

"Clinical measurement of rate of reading and discourse" a poster presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1995, Orlando, Florida.

"Theoretical implications of sentence rate of reading and spontaneous speech," a technical paper presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1996, Seattle, Washington.

"A novel classification of AAC symbols/icons and access techniques," a poster presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1997, Boston, MA.

"Applications of Speech Recognition Technology in Communication Disorders," a poster presented at the Annual Convention of the American Speech-Language-Hearing Association, November 1998, San Antonio, TX.

"A comparative study of the intelligibility of formant and LPC speech synthesis," a panel presentation at the Annual Convention of the American Speech-Language-Hearing Association, November 1998, San Antonio, TX.

"Computer-based Speech Recognition in Relation to Speech Intelligibility (in Individuals Who are Deaf)," a poster presented at the Annual Convention of the American Speech-Language-Hearing Association, November 2001, New Orleans, LA.

"Text-to-speech intelligibility in reverberant conditions," A poster presentation at the Annual Convention of the American Speech-Language-Hearing Association, Chicago, Ill., November, 2003.

GRANTS OBTAINED

"An Experimental Approach to the Understanding of Stuttering", a grant from the University Grants Committee and the College of Sciences and Humanities, Iowa State University, February 1980 (\$4,900).

"Speech Intelligibility Improvement Program for Non-native Speakers of English", a grant (With Mrs. Stone) from the University Grants Committee, Iowa State University, March 1981 (\$3,160).

"A Study of the Influence of Linguistic Stress on Stuttering", a grant from Sigma Xi; The Scientific Research Society (\$300) and from the Graduate College, Iowa State University (\$500), May 1981.

Minigrants for research from Graduate College, Iowa State University, December 1978 (\$500), March 1979 with Fred Vallier (\$500), February 1980 (\$500), November 1982 with Fred Vallier (\$500), March 1984 (\$500), January 1985 (\$490), and January 1987 (\$500).

Instructional Development Grants from Council on Instruction, Iowa State University, April 1981 (\$450), April 1984 with Fred Vallier (\$650), and April 1985 (\$700).

"An Experimental Approach to Understanding Stuttering", a grant from Iowa Academy of Science, May 1986 (\$1957).

"The Influence of Linguistic Stress on Stuttering", a grant from Sciences & Humanities Research Foundation, Iowa State University, April 1987 (\$4,350).

"Computer-aided Instruction in Spoken English", an instructional development grant from Iowa State University, May 1990 (\$1,650).

"Development of an On-Line Sign Language Course", an instructional development grant from Iowa State University, October 2001 (\$1958).

MEMBERSHIPS AND AWARDS

Member, American Speech-Language-Hearing Association, 1972-present.

Member, Iowa State University Graduate Faculty, 1982 – present

Traineeship, 22nd Annual Voice Institute of International Association of Laryngectomees, July 25-August 1, 1982.

Faculty Improvement Leave (Fall 1984), Iowa State University.

SERVICE

Selected Committee Work

Member, Search Committee for Departmental Chairperson, Fall 1979 – Spring 1981.

Member, Speech Department Curriculum Committee, Fall 1981 – Spring 1984. Chair, Departmental Curriculum Committee, Fall 1983 – Spring 1984.

Member, English Proficiency Evaluation Committee, Fall 1984 – Spring 1985. Member, Intensive English Orientation Committee, Spring 1983 – Spring 1987.

Member, Sciences and Humanities College Faculty Development Committee, Fall 1988 – Spring 1990. Chair, S&H College Faculty Development Committee, August 1989-May 1990.

Member, Cross-Disciplinary Linguistics Program, Fall 1986 – Present.

Advising

Academic Advisor, Communication Disorders Program, Fall 1980 – Summer 2000. (Advising about 10 – 35 undergraduate students).

Administration

Professor-in-Charge, Communication Disorders Program, October 1982 – July 1992.

COURSES DESIGNED AND TAUGHT

1. Phonetics
2. Speech and Hearing Mechanism (Anatomy and Physiology of Speech and Hearing)
3. Instrumentation in the Speech and Hearing Clinic (taught two times only)
4. Articulation Disorders (taught two times only)
5. Fluency Disorders
6. Language Development
7. Introduction to Speech, Language and Hearing Disorders
8. Clinical Practicum in Speech-Language Pathology (taught two times only)
9. Speech and Hearing Science
10. Language Disorders in Children (taught two times only)

11. Basic Sign Language (An introduction to signing using Signed English)
12. Experimental Phonetics (taught two times only)
13. Voice Disorders