

## 1. Academic History

- a. Name: Suneeeti Nathani Iyer
- b. Rank: Assistant Professor  
Proportion of time assignments: .45 teaching, .30 research
- c. Tenure Status: Nontenured
- d. Administrative Title: None
- e. Graduate Faculty: Full (Appointed December 2004)
- f. Highest Earned Degree: Ph.D., Purdue University, West Lafayette, IN, December 1998
- g. Academic positions:
- August 2005-Present: Assistant Professor, Department of Communication Sciences and Special Education, University of Georgia, Athens, GA.
- August 2002 -July 2005: Assistant Professor, Department of Communication Sciences and Disorders, University of Georgia, Athens, GA.
- January 1999 - May 2002: Assistant Professor, Department of Communication Sciences and Disorders, University of Maine, Orono, ME.
- September 1989 - July 1990: Lecturer and Speech Therapist, B.Y.L. Nair Charitable Hospital, Bombay, India.
- h. Other Professional employment:
- July 1989 - April 1990: Speech Therapist, Society for the Education of the Crippled, Bombay, India.
- i. Post-graduate awards: None

## 2. Resident instruction and continuing education

- b. Undergraduate instruction:
- At the University of Georgia
- CMSD 4090: Phonetics (2 credits)
    - Fall 2002, 2003: 6-61 students per semester
  - CMSD 4530: Speech Disorders (3 credits)
    - Spring 2003, 2004, 54-69 students per semester
  - CMSD 4000: Research in Infant Vocalizations (1-3 credits)
    - 1-3 students per semester since Fall 2002.

At the University of Maine

- Phonetics and Phonological Development (4 hrs)
  - Fall 2000, 2001
- Organic Disorders (3 hrs)
  - Spring 1999, 2000
- Introduction to Communication Sciences and Disorders (3 hrs)
  - Spring 1999, Fall 1999, Spring 2000, Spring 2001
- Language Development (3 hrs)
  - Fall 1999, Spring 2001
- Directed Studies and Independent Study (1-3 hrs)
  - Directed 4-9 students per semester from 1999-2002.

c. Graduate instruction:

At the University of Georgia

- CMSD 6540: Language Assessment and Intervention with Preschool Children (3 credits)
  - Spring 2003, 2007, 20-25 students per class
- CMSD 6740: Articulation and Phonological Disorders (3 credits)
  - Fall 2003, 2004, 2005, 2006, 2007, 16-26 students per class
- CMSD 6000: Independent Study (1-3 credits)
  - Fall 2002, Spring 2006, Fall 2006, Fall 2007 - Enrollment: 1-2
- CMSD 7650: Applied Project in CSD (3 credits)
  - Fall 2006, Spring 2007 - Enrollment: 1
- CMSD 9000: Doctoral Independent Study (3 credits)
  - Spring 2007 - Enrollment: 1

At the University of Maine

- Language Disorders in Children: Preschool (3 hrs)
  - Fall 2001

c. Academic advising:

- Academic Advisor for 5-9 Master's students at the University of Georgia per semester from Spring 2003 to present.
- Academic advisor to 10-16 undergraduate students per semester at the University of Maine from 1999-2002
- Chair or examining committee member for 17 graduate students at the University of Maine from 1999-2001.

d. Continuing Education:

- Hanen *It takes Two to Talk* Certification Workshop, 2007
- Child Phonology Conferences
- American Speech Language and Hearing Association Conventions
- International Society on Infant Study Conferences
- University of Georgia Communication Disorders Annual Workshop Series
- Universal Newborn Hearing Screening Workshops, 2002
- Short course on voices of infants and toddlers, 2002
- 1<sup>st</sup> International Conference on Newborn Hearing Screening, 2000
- Symposium for Research in Child Language Disorders, 2000
- Maine Speech-Language-Hearing Association Conferences, 1999-2001
- University of Maine Communication Sciences and Disorders Colloquium Series, 1999-2002.

**3. Scholarly activities**

1. Publications

Please note that Suneeti has published under two last names: Nathani and Iyer

1) Books authored or co-authored

None

2) Books edited and co-edited

None

3) Chapters in books

\*\*Oller, D. K., **Iyer, S. N.**, Buder, E. H., Kwon, K., Chorna, L., & Conway, K. (2007). Diversity and contrastivity in prosodic and syllabic development. In J. Trouvain & W. J. Barry (Eds.), *Proceedings of the 16<sup>th</sup> International Congress on Phonetic Sciences* (pp. 303-08). [Peer-reviewed and data-based] (30%)

4) Monographs

None

5) Journal articles

\*Bauer, K. L., **Iyer, S. N.**, Boon, R. T., & Fore, C. III (in press). 20 ways for classroom teachers to collaborate with speech-language pathologists (SLPs). *Intervention in School and Clinic*. (40%)

\***Nathani, S.**, Oller, D. K., & Neal, A. R. (2007). On the robustness of vocal development: an examination of infants with moderate-to-severe hearing loss and additional risk factors. *Journal of Speech, Language, and Hearing Research*, 50, 1425-44. (50%)

\*Ertmer, D. J., Young, N., & **Nathani, S.** (2007). Profiles of vocal development in young cochlear implant recipients. *Journal of Speech, Language, and Hearing Research*, 50, 393-407. (30%)

\***Nathani, S.**, Ertmer, D. J., & Stark, R. E. (2006). Assessing vocal development in infants and toddlers. *Clinical Linguistics and Phonetics*, 20(5), 351-69. (60%)

\***Nathani, S.**, Oller, D. K., & Cobo-Lewis, A. B. (2003). Final syllable lengthening (FSL) in infant vocalizations. *Journal of Child Language*, 30, 3-25. (50%)

\*\***Nathani, S.**, & Oller, D. K. (2001). Beyond ba-ba and gu-gu: Challenges and potential strategies in coding infant vocalizations. *Behavior Research Methods, Instrumentation, and Computers*, 33(3), 321-330. (60%)

\***Nathani, S.** & Stark, R. E. (1996). Can conditioning procedures yield representative infant vocalizations in the laboratory? *First Language*, 16, 365-386. (60%)

6) Bulletins or reports  
None

7) Abstracts  
Abstracts of many conference presentations (below) were printed in conference programs.

8) Book reviews

9) Works submitted but not yet accepted  
**Iyer, S. N.**, & Oller, D. K. Prelinguistic vocal development in typically developing and deaf infants. Manuscript in submission.

Shoaf, K. O. & **Iyer, S. N.** Application of the nonlinear target selection approach to a child with a speech sound disorder. Manuscript in submission.

10) Any other

**Iyer, S. N.** & Oller, D. K. Pitch development in typically developing and deaf infants. Manuscript in preparation.

**Iyer, S. N.** Relationships between sounds forms and functions in infant vocalizations. Manuscript in preparation.

**Iyer, S. N.** & Ertmer, D. J. Reliability of vocalization categories used in the coding of infant vocalizations. Research note in preparation.

Hsu, H. & **Iyer, S. N.** Effects of normal and perturbed social play on infant vocalizations. Data collected.

Oller, D. K., Buder, E. H., & **Iyer, S. N.** Acoustic and auditory categorization of prelinguistic squeals and growls. Data collected.

Iyer, S. N., Oller, D. K., & Buder, E. H. A microlongitudinal investigation of temporal patterning in prelinguistic vocalizations. Data collected.

2. Creative Contributions

- Designed a website illustrating the coding of infant vocalizations; these materials are now available via a CD.
- Assisted in the development of the website [www.vocaldevelopment.com](http://www.vocaldevelopment.com), managed by Dr. David Ertmer at Purdue University, on infant vocalizations

3. Grants received

Name of Contract/Grant: R01 Grant

Funding/Granting Agency: National Institutes on Deafness and Other Communicative Disorders, National Institutes of Health

Award Period: December 1, 2003 - November 30, 2008

Amount Awarded: \$456,520

Role: Subcontractor (PIs - Drs. Kimbrough Oller and Eugene Buder at the University of Memphis)

Name of Contract/Grant: Faculty Research Grant, The University of Georgia

Funding/Granting Agency: UGA Research Foundation

Award Period: January 2002-May 2003

Amount Awarded: \$5,333

Role: PI

Name of Contract/Grant: Infant vocalizations coding schemes; supported in part from a funding directive to HRSA for the University of Maine

Award Date: July 2000 - August 2001

Amount Awarded: Summer salary for 2000 and support for a graduate research assistant from Fall 2001- Spring 2002.

Role: Consultant (PIs - D.K. Oller, C. Mason)

Name of Contract/Grant: Regular Faculty Research Fund Award

Funding/Granting Agency: Office of Research and Sponsored Programs, The University of Maine

Award Date: January 2000-June 2001

Amount Awarded: \$8,288

Role: PI

Name of Contract/Grant: Summer Faculty Research Fund Award

Funding/Granting Agency: Office of Research and Sponsored Programs, The University of Maine

Award Date: June 01, 2000-July 31, 2000

Amount Awarded: \$7,500

Role: PI

Funding/Granting Agency: National Institute of Child Health and Human Development

Award Date: November, 1999 – August, 2000

Amount Awarded: \$2,000

Role: Subcontractor

4. Recognitions and outstanding achievements

- Voted *Teacher of the Year* for 2003-2004 by the local chapter of the National Student Speech-Language-Hearing Association, The University of Georgia.
- Institute for Behavioral Research Grant-Writing Mentoring Fellowship for 2003-2005, The University of Georgia.
- Appointed Allied Scientist at Eastern Maine Medical Center, Bangor, ME, 2002-2003.
- American Speech-Language-Hearing Association Award for Continuing Education, April 2002-April 2005.

5. Areas in which research is done

- Infant and toddler vocalizations in typical and atypical populations – Perceptual, acoustic, and social context coding.
- Infant and toddler vocalizations in culturally and linguistically diverse populations.
- The development of consistent and reliable coding criteria for infant and toddler vocalizations.

6. Supervision of student research

1. Master's thesis directed

None

2. Doctoral dissertation directed

None

3. Other student research

- Co-major advisor for 1 Doctoral Student (in progress)
- Major advisor for 1 Education Specialist (completed)
- Committee member for 1 Doctoral Student (in progress), 1 Education Specialist (completed), and 1 Master's Student (in progress)
- Chair of two Undergraduate Honors Theses at the University of Maine (1999-2002)

7. Editorship or editorial board member of journals or other learned publications

- Guest Associate Editor, *American Journal of Speech-Language Pathology*, 2007.
- Editorial Consultant, Aural Rehabilitation Section, Language, Speech, and Hearing Services in Schools, 2004-2006.

- Ad hoc reviewer for: Journal of Speech-Language-Hearing Research, Infancy (2 reviews each); *Phonetica*, American Journal of Speech-Language Pathology, Journal of Phonetics, Child Development, Journal of Child Language (1 review each).
- Reviewed 1 book for Allyn & Bacon and 1 for Pearson Ed.
- Reviewed 1 National Science Foundation dissertation proposal.

8. Convention papers

**\*\*Oller, D. K., Iyer, S. N., Buder, E. H., Kwon, K., Chorna, L., & Conway, K. (2007, August).** Diversity and contrastivity in prosodic and syllabic development. In A. Chen & P. Fikkert (Chairs), *Intonational development from babbling to the two-word stage*, Invited symposium conducted at the 16<sup>th</sup> International Congress of Phonetic Sciences, Saarbrücken, Germany.

Shoaf, K. O., & **Nathani, S.** (2007, April). *Nonlinear phonology for dummies*. Poster presented at the Georgia Speech-Language-Hearing Association, Atlanta, GA.

**\*Nathani, S., Oller, D. K., & Reinstein, E. (2006, November).** *Protophone development in typical and deaf infants*. Paper presented at the American Speech-Language-Hearing Association Convention, Miami, FL.

**Nathani, S., Reinstein, E., & Oller, D. K. (2006, November).** *Pitch development in typical and deaf infants*. Paper presented at the American Speech-Language-Hearing Association Convention, Miami, FL.

**\*Ertmer, D. J., & Nathani, S. (2005, November).** *Vocal development in typically developing infants and young cochlear implant recipients*. Paper presented at the American Speech-Language-Hearing Association Convention, San Diego, CA.

**\*Ertmer, D. J., Young, N. M., & Nathani, S. (2005).** *Vocal development in young cochlear implant recipients*. Presentation at the 10<sup>th</sup> Symposium on Cochlear Implants in Young Children, Dallas, TX.

**\*\*Nathani, S. (2004, May).** Relationships between sound forms and functions in infancy. In D. K. Oller (Chair), *Infant vocal development and the foundations for linguistic capacity*. Invited symposium conducted at the 14<sup>th</sup> Biennial International Conference on Infant Studies, Chicago, IL.

**\*\*Bornstein, M., Cote, L., & Nathani, S. (2004, May).** Children's early vocalizations in three linguistic communities. In M. H. Goldstein (Chair), *Development in the active voice: Relationships between social and vocal development in infancy*. Invited symposium conducted at the 14<sup>th</sup> Biennial International Conference on Infant Studies, Chicago, IL

Oller, D.K., Buder, E. H., & **Nathani, S.** (2003, November). *Origins of speech: How infant vocalizations provide a foundation*. Paper presented at the American Speech-Language-Hearing Association Convention, Chicago, IL.

\***Nathani, S.**, Ertmer, D. J., & Stark, R. E. (2002, November). *The Stark Assessment of Vocal Development – Revised (SAEVD-R)*. Poster presented at the American Speech-Language-Hearing Association Convention, Atlanta, GA.

Weed, J., & **Nathani, S.** (2002, November). *Pitch and intonation in prelinguistic vocalizations and deafness*. Poster presented at the American Speech-Language-Hearing Association Convention, Atlanta, GA.

**Nathani, S.**, Buder, E. H., & Oller, D. K. (2002, May) *Acoustic characterization of precanonical infant vocalizations*. Paper presented at the International Child Phonology Conference, Wichita, KS.

Hayes, M.J., Sallinen, B. J., Gilles, A, Zeman, J., **Nathani, S.**, Nesin, A., Toothaker, M.E. & Booth, A. (2002, April). *Infant sleep and arousal following prenatal alcohol exposure*. Poster presented at the International Conference on Infant Studies, Toronto, ON.

\***Nathani, S.**, Neal, R., Olds, H., Brill, J., & Oller, D. K. (2001, April). *Canonical babbling and volubility in infants with moderate to severe hearing impairment*. Paper presented at the Child Phonology Conference, Boston, MA.

\*Oller, D. K., **Nathani, S.**, & Delgado, R. (2000, November). *Standardized training for phonetic transcription and coding of infant vocalizations*. Computer Lab conducted at the American Speech-Language-Hearing Association Convention, Washington D.C.

\*Oller, D. K. & **Nathani, S.** (2000, August). *Hierarchical coding of vocalization: computer-based training and reliability*. Paper presented at Measuring Behavior, 2000: Third International Conference on Methods and Techniques in Behavioral Research. Nijmegen, The Netherlands.

**Nathani, S.**, Lynch, M. P., & Oller, D. K. (2000, June). *Rhythmic organization in typical and deaf prelinguistic vocalizations*. Poster presented at the Child Phonology Conference, Cedar Rapids, IA.

\***Nathani, S.**, Oller, D. K., Cobo-Lewis, A. (2000, June). *Vocal development in typical and deaf infants*. Poster presented at the Symposium for Research in Child Language Disorders, Madison, WI.

\***Nathani, S.**, Lynch, M. P., & Oller, D. K. (1999, November). *Amount of vocalization in typical and deaf infants*. Paper presented at the American Speech-Language-Hearing Convention, San Francisco, CA

\***Nathani, S.**, & Oller, D. K. (1999, June). *Final Syllable Lengthening (FSL) in infant vocalizations*. Poster presented at the International Child Phonology Conference, Bangor, Wales.

\*\***Nathani, S.** (1998, November). *Prelinguistic vocal development: Implications for assessment and intervention*. Invited presentation at B.Y.L. Nair Charitable Hospital, Mumbai, India.

**Nathani, S., & Garber, N.** (1997, November). *Effects of phonology-morphology interactions upon children's speech sound productions*. Poster presented at the American Speech-Language-Hearing Association Convention, Boston, MA.

**Nathani, S. & Nairne, J.S.** (1996, June). *Recall of oral directions and the suffix effect*. Poster presented at the Symposium for Research in Child Language Disorders, Madison, WI.

\***Nathani, S. & Stark, R. E.** (1995, December). *Infant vocalization behaviors in home and laboratory settings*. Poster presented at the American Speech-Language-Hearing Association Convention, Orlando, FL.

**Stark, R. E. & Nathani, S.** (1994, June). *The origins of prespeech*. Paper presented at the 9th International Conference on Infant Studies, Paris.

#### 4. Public Service

- a. Local community services and relations
  - Interview with undergraduate student in journalism about speech development in children with hearing loss, especially those fitted with cochlear implants, 2006.
  - Interview with local news agency in Maine to highlight student research achievements, 2001.
  - *Faculty of color at predominantly White institutions*, Invited presentation on a panel at a statewide conference on diversity for public and private sectors organized by the University of Maine, April 2000.
  - Interviews with 3 undergraduate students about Speech-Language Pathology services and attitudes about disability in India, 1999.

#### 5. Other service

- a. University/College/Department Committees and Initiatives
  - Member, College of Education Technology Advisory Committee, 3/2007-Present
  - Member, Comprehensive Examination Committee, 2003-Present
  - Chair, CMSD Undergraduate and Graduate Listservs, 8/2006-Present
  - Member, Faculty Search Committee, 9/2006-3/2007
  - Member, Faculty Merit Criteria Committee, 9/2005-2/2006
  - Member, Undergraduate Admissions Committee, 1/2006-3/2006
  - Member, Graduate Admissions Committee, 1/2003-2/2003, 1/2007-2/2007
  - Member, Academic Faculty Merit Criteria Committee, 8/2002-12/2002
  - Member, Curriculum Committee, 10/2002-5/2003, 5/2007
  - Organized speakers for the 2005 University of Georgia workshop series for community speech-language pathologists in Georgia.
  - Member, Department and University Diversity Committees, University Faculty Senate, University Ethnic and Racial Diversity and Student Employment Advisory Committee, Department Technology Committee and Distance Education Committee, University of Maine, January 1999-December 2001.
  - Panel member in the Learning Circle for Mentoring, University of Maine, Spring 2001.

- Organized a colloquium for students and faculty at the University of Maine by Dr. David Ertmer on “Profiles of vocal development in young children with cochlear implants”
- Assisted faculty and staff on IT issues at the University of Maine from 1999-2001
- Designed and maintained the University of Maine Communication Sciences and Disorders department website from 1999-2002.

b. National Committees

- Member, Articulation and Phonology Program Committee for the American Speech-Language Hearing Association Convention, 2006.
- Member, Children with Hearing Loss: Rehabilitation and Educational Management Program Committee for the American Speech-Language Hearing Association Convention, 2003.
- Member, Articulation and Phonology Program Committee for the American Speech-Language Hearing Association Convention, 2001. Also organized an invited session on “The Evolution of the Human Vocal Capacity” in this capacity.

c. Collaborations

*External Collaborations:*

- Dr. Kimbrough Oller and Dr. Eugene Buder at the University of Memphis, TN: The purpose is to collaborate on projects investigating the development of social communication and structural aspects of vocalizations in infancy and to facilitate sharing of data and resources across institutions.
- Dr. David Ertmer at Purdue University: The purpose is to conduct research on the assessment and intervention of vocalization behaviors in typically developing infants and infants fitted with cochlear implants.
- Drs. Marc Bornstein and Linda Cote at NICHD: The purpose was to investigate bilingualism and infant vocal development.

*Internal Collaborations:*

- Dr. Hui-Chin Hsu in Child and Family Development. The purpose is to develop a peer group of researchers working on issues pertinent to infancy at the University of Georgia. She is also my IBR mentor. We are currently examining characteristics of infant vocalizations produced in perturbed social play situations.

d. Professional Memberships

- American Speech-Language-Hearing Association, SID 1, 1990-Present
- International Society on Infant Studies, 2005-Present
- Georgia Speech-Language Hearing Association, 2002-2003, 2006-Present
- International Affairs Association, 2000-2002
- Maine Speech-Language-Hearing Association, 1999-2002