

## Gerald C. Imaezue, PhD

Assistant Professor

Department of Communication Sciences and Disorders

University of South Florida, Tampa FL

### ADDRESS

University of South Florida  
4202 E, Fowler Ave, PCD 1017  
Tampa, FL 33620  
USA

### CONTACT

Email: [gimaezue@usf.edu](mailto:gimaezue@usf.edu)  
Phone: 813-974-2464  
Office: PCD 4010  
Lab: PCD 1030

---

### EDUCATION

- 2023: Ph.D., Speech-Language-Hearing Sciences  
The Graduate Center, City University of New York  
Dissertation: *Recursive functional learning in nonfluent aphasia*  
Committee: Mira Goral, PhD, CCC-SLP (Advisor); Loraine K. Obler, PhD; Ofer Tchernichovski, PhD & Leora R. Cherney, PhD, CCC-SLP (External examiner)
- 2021: MPhil., Speech-Language-Hearing Sciences  
The Graduate Center, City University of New York  
Thesis: *Verbal self-feedback as treatment for nonfluent aphasia*  
Committee: Mira Goral, PhD, CCC-SLP; Loraine K. Obler, PhD & Ofer Tchernichovski, PhD
- 2015: MEd (Distinction), Audiology and Speech Pathology  
University of Ibadan  
Thesis: *Effect of vocal hygiene training and resonant voice therapy on vocal fatigue in teachers*  
Advisor: Moji Oyebola, PhD
- 2012: BEd (First Class Honors), Special Education [major in Audiology and Speech Pathology] and Political Science  
University of Ibadan
- 

### WORK EXPERIENCE

#### Positions and Employment

- 2023 – Present: Assistant Professor (tenure track), University of South Florida
- 2023 – Present: Director, Brain and Aphasia Research Lab, University of South Florida
- 2023: Adjunct Instructor, Queens College, City University of New York
- 2021 & 2023: Adjunct Instructor, New York University
- 2021: Adjunct Instructor, Rutgers University
- 2021: Intern ML/NLP Researcher, GeoCloud Technologies
- 2019: Adjunct Instructor, Molloy University
- 2018 – 2023: Graduate Assistant, The Graduate Center, City University of New York
- 2015 – 2018: Self-employed Speech-Language Pathologist, Ibadan
- 2014 – 2015: Teaching Assistant, University of Ibadan

2013 – 2014: National Youth Service Corps (Nigeria)

Courses Taught at Graduate Level:

- Aphasia and Related Disorders
- Critical Evaluation of Research in Communicative Sciences and Disorders
- Directed Research
- Motor Speech Disorders
- Research Principles of Evidence-Based Practice in Speech-Language Pathology

Courses Taught at Undergraduate Level:

- Anatomy and Physiology of Speech Mechanisms
- Anatomy and Physiology of Speech and Hearing Mechanisms
- Speech Science

---

## CONTRIBUTIONS TO SCIENCE

Research Papers

1. **Imaetze, G.C.** et al., (in preparation). Relationship between distribution of daily practice time, task type and treatment gains in chronic nonfluent aphasia.
2. **Imaetze, G.C.** (under review). Recursive self-feedback improved spontaneous speech in chronic aphasia within real-world settings. *Aphasiology*.
3. **Imaetze, G.C.**, Tchernichovski, O. & Goral, M. (under review). Self-improved language production in nonfluent aphasia through automated recursive self-feedback. *American Journal of Speech-Language Pathology*.
4. **Imaetze, G.C.** (2024). Transfer effects of recursive self-feedback on connected speech production in patients with chronic nonfluent aphasia: Preliminary results. *Aphasiology*. Advance online publication. <https://doi.org/10.1080/02687038.2024.2351010>
5. **Imaetze, G.C.** & Goral, M. (2024). Toward self-regulated learning in aphasia rehabilitation: A proposed framework. *Aphasiology*. Advance online publication. <https://doi.org/10.1080/02687038.2024.2323219>
6. **Imaetze, G.C.**, Tchernichovski, O. & Goral, M. (2023). Recursive self-feedback improved speech fluency in two patients with chronic nonfluent aphasia. *Aphasiology*, 38(5), 838-861. <https://doi.org/10.1080/02687038.2023.2239511>
7. Bishop, J., Chen, Z., Antolovic, K., Grebe, L., Hwang Hae, K., **Imaetze, G.**, Kistanova, E., Kyung Eun, L., Paulino, K. & Zhang, S. (2021). Autistic traits predict spectral correlates of vowel intelligibility for female speakers. *Journal of Autism and Developmental Disorders*, 52, 2344-2349. [doi.org/10.1007/s10803-021-05087-5](https://doi.org/10.1007/s10803-021-05087-5)
8. **Imaetze G.C.** (2017). Brain localization and the integrated systems hypothesis: Evidence from Broca's region. *Journal of Behavioral and Brain Science*, 7(11), 511-519. <https://doi.org/10.4236/jbbs.2017.711036>.
9. **Imaetze G.C.** & Oyebola, M. (2017). Treatment of vocal fatigue in teachers. *Journal of Otolaryngology-ENT Research*, 7(1), 00189. <https://doi.org/10.15406/joentr.2017.07.00189>

10. **Imaetzue, G.C.** & Salako, I.A. (2017). Aphasia rehabilitation of auditory word comprehension-impaired stroke patients. *Journal of Neurology and Translational Neuroscience*, 5(1): 1077.
11. **Imaetzue, G.C.**, Salako, I.A. & Akinmurele, A.T. (2017). Selective sentence production deficit in an agrammatic Yoruba-English bilingual patient with minor stroke: A case study. *Journal of Behavioral and Brain Science*, 7(9), 416- 424.  
<https://doi.org/10.4236/jbbs.2017.79030>

#### Book Chapter

1. Wallace, G., Shibamoto, I., Onishi T., Mashima, P., **Imaetzue, G.C.**, Stark, J., Fredericks, S. & Wong, A. (in press). Discussion of neurorehabilitation from the voices of international visionaries. In Wallace, G. (Eds.), *Cultural sensitivity and responsiveness in neurorehabilitation: A personalized approach for speech-language pathologist*. Plural Publishing.

#### Conference Presentations

1. Davis, C., Azmerad, J., Salas., C., Mineo, G., Goral, M., & **Imaetzue, G.C.** (submitted). Relationship between distribution of daily practice time and treatment gains in chronic nonfluent aphasia: A high-powered Small-N study.  
The 18<sup>th</sup> Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders.  
Philadelphia, Pennsylvania
2. **Imaetzue, G.C.** (submitted). Recursive self-feedback enabled self-repaired spontaneous speech in chronic aphasia.  
The 62<sup>nd</sup> Annual Meeting of the Academy of Aphasia  
Nara, Japan
3. **Imaetzue, G.C.** (submitted). Replication studies of recursive self-feedback on production of scripted-sentences and spontaneous speech in chronic aphasia.  
The 4<sup>th</sup> Annual Scientific Retreat of the Medical Rehabilitation Research Resource Network Virtual
4. De Marchi, S., El Jaouhari, M., **Imaetzue, G.C.** & Goral, M. (2023). Does emotional valence affect semi-spontaneous language production in aphasia?  
The 61<sup>st</sup> Annual Meeting of the Academy of Aphasia  
Reading, England
5. **Imaetzue, G.C.**, Tchernichovski, O., Obler, L.K. & Goral, M. (2023). Self-improvement in nonfluent aphasia through recursive functional learning.  
The 61<sup>st</sup> Annual Meeting of the Academy of Aphasia  
Reading, England
6. **Imaetzue, G.C.**, Tchernichovski, O., Obler, L.K. & Goral, M. (2023). Effect of recursive self-feedback on spoken language performance in nonfluent aphasia: A replication study.  
The 52<sup>nd</sup> Clinical Aphasiology Conference  
Atlantic City, New Jersey
7. **Imaetzue G.C.**, Tchernichovski O. & Goral, M. (2021). Automated verbal self-feedback for improving speech fluency in patients with mild chronic nonfluent aphasia.

The 59th Annual Meeting of the Academy of Aphasia  
Virtual

8. **Imaezue G.C.**, Tchernichovski O., Gorman, K. & Goral, M. (2021). A machine learning approach to posttreatment follow-up in aphasia rehabilitation: A preliminary report. The 15th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders.  
Philadelphia, Pennsylvania
9. **Imaezue, G.C.** (2018). On the application of neural multifunctionality concept to aphasia rehabilitation.  
The 13th Annual Eleanor M. Saffran Conference on Cognitive Neuroscience and Rehabilitation of Communication Disorders  
Philadelphia, Pennsylvania
10. **Imaezue, G.C.** & Oyebola, M. (2018). Towards a culturally sensitive approach to aphasia rehabilitation of stroke survivors in Nigeria.  
The 48th Clinical Aphasiology Conference  
Austin, Texas
11. **Imaezue, G.C.** (2017). Developing a new treatment model for stroke-induced aphasia: Is there hope? Frontiers in Human Neuroscience Conference Abstract:  
The 55<sup>th</sup> Annual Meeting of the Academy of Aphasia. doi:  
10.3389/conf.fnhum.2017.223.00093

---

## **INVENTION DISCLOSURES**

Invention: Adaptive Recursive Self-feedback for Speech Production

Inventors: **Dr. Gerald C. Imaezue**, Dr. Ofer Tchernichovski & Dr. Mira Goral

USF Invention & Tech IDs: USF23/00126 & 24T047

Provisional Patent ID: 63/627,136 (US patent pending)

Invention: Adaptive Audiovisual Recursive Self-feedback for Speech Production

Inventors: **Dr. Gerald C. Imaezue**, Dr. Ofer Tchernichovski & Dr. Mira Goral

USF Invention & Tech IDs: USF23/00300 & 24T048

Provisional Patent ID: 63/627,136 (US patent pending)

Invention: Autonomous Speech Elaboration with Multimodal Recursive Self-feedback

Inventor: **Dr. Gerald C. Imaezue**

USF Invention & Tech IDs: USF23/00320 & 24T054

Provisional Patent ID: 63/627,136 (US patent pending)

Invention: Autonomous Speech Elaboration with Personalized Voice Feedback

Inventor: **Dr. Gerald C. Imaezue**

USF Invention & Tech IDs: USF23/00323 & 24T056

Provisional Patent ID: 63/627,136 (US patent pending)

---

## **FUNDED GRANTS**

Center for Smart Use of Technologies to Assess Real-world Outcomes (C-STAR), Shirley Ryan Ability Lab

C-STAR Pilot Project Grant (NIH Subaward# Grant-000911\_USF)

Adaptive Recursive Self-feedback for Improving Speech Production in Patients with Chronic Aphasia

May 2024 – April 2025 (Active)

Role: Principal Investigator

USF College of Behavioral and Community Sciences (CBCS)

CBCS Internal Grant Program award

Spontaneous Speech Production with Recursive Self-feedback in Patients with Chronic Aphasia

April 2024 – March 2025 (Active)

Role: Principal Investigator

The Graduate Center, City University of New York

Doctoral Student Research Grant

Recursive Self-feedback and Its Role in Spoken Language

2021-2023 (Completed)

Role: Principal Investigator

---

## **SELECTED HONORS AND AWARDS**

- 2024: Pathways Program for Early-Career Scientists: American Speech-Language-Hearing Association (ASHA)
- 2023: NIH–NIDCD Research Symposium in Clinical Aphasiology Fellowship
- 2022: Brownstein Fellowship for Excellence in Dissertation Writing: Speech-Language-Hearing Sciences PhD Program, The Graduate Center CUNY
- 2021: NIH–NIDCD Young Investigator Travel Award: Academy of Aphasia at the 59<sup>th</sup> Annual Meeting of the Academy of Aphasia
- 2021: NIH–NIDCD Saffran Student Scholar Award: Eleanor M. Saffran Center for Cognitive Neuroscience, Temple University
- 2018: NIH–NIDCD Saffran Student Scholar Award: Eleanor M. Saffran Center for Cognitive Neuroscience, Temple University
- 2018: Science Fellowship: The Graduate Center, City University of New York
- 2018: Research Mentoring-Pair Travel Award (RMPTA), ASHA
- 2018: NIH–NIDCD Research Symposium in Clinical Aphasiology Fellowship
- 2015: Federal Government Scholarship: Federal Government of Nigeria
- 2015: Best graduating student with distinction: Department of Special Education and Speech Pathology and Audiology graduate class (masters' degree)
- 2015: University of Ibadan Scholar, University of Ibadan, Nigeria
- 2012: Best graduating student and Departmental Prize: University of Ibadan, Nigeria
-

## PROFESSIONAL MEMBERSHIP

- 2024 – Present: Member, Academy of Neurologic Communication Disorders & Sciences (ANCDS)
- 2023 – Present: Member, American Speech-Language-Hearing Association (ASHA)
- 2018 – Present: Member, Academy of Aphasia
- 

## SERVICE

### Journal Reviewed

Journal of Speech, Language and Hearing Research (JSLHR)

### USF Committees

- 2023 – Present: Member, SLP Graduate Program Committee, USF
- 2023 – Present: Member, PhD Committee, USF

### MS Graduate Students Advisor

Alisson Sirianni  
Arianna Smith  
Olivia Wellman  
Madelyn White  
Sierra Youngblood

### PhD Students Mentor and Advisor

Celine Davis  
David Ajayi

### Service to Others

- 2024 – Present: Member, ANCDS Diversity Writing Group
- 2019 – 2021: Student Member, Executive Committee, Speech-Language-Hearing Sciences program, The Graduate Center, City University of New York.
- 2018: Co-Founder, Inclusive Education, and IEP Center (IEIEPC)  
Lagos, Nigeria  
Website: <https://ieiepc.com/welcome/our-team/>  
Reported events in top Nigerian tabloids:  
<https://www.vanguardngr.com/2019/04/ieiepc-decries-absence-of-education-standard/>  
<https://guardian.ng/tag/ieiepc/>
- 2014 – 2015: Team Lead, Inclusive City Project, National Youth Service Corps, Osun Nigeria  
Led a team that trained teachers in Osun State, Nigeria on early identification, accommodation, and remediation for students with special needs. We trained over 300 teachers and ascertained their learning.