

David S. Ford

EDUCATION

- Ph.D., Communicative Sciences & Disorders** August 2021
Michigan State University, East Lansing, MI
- M.S., Speech-Language Pathology** August 2011
Duquesne University, Pittsburgh, PA
- B.S. in Health Sciences, Speech-Language Pathology** May 2010
Duquesne University, Pittsburgh, PA

TEACHING EXPERIENCE

Duquesne University

Department of Speech-Language Pathology
Pittsburgh, PA

Assistant Professor & Program Director of Voice & Upper Airway Clinic July 2022-present

Thiel College

Department of Communication Sciences and Disorders
Greenville, PA

Clinic Director—Thiel Center for Speech-Language Services May 2021-June 2022

Assistant Professor May 2021-June 2022

- CSD 551: Voice Disorders
- CSD 541: Dysphagia
- CSD 415: Intro to Clinical Observation & Methodology
- CSD 215: Anatomy & Physiology of the Speech Mechanism

Adjunct Professor

- CSD 541: Dysphagia (online) August-December 2020
- CSD 551: Voice Disorders (online) January-May 2021

Michigan State University

Department of Communicative Sciences & Disorders
East Lansing, MI

Instructor

- CSD 313: Speech Science August-December 2019, 2020
Supervised 4 students who elected to complete an Honors option in this course

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- CSD 391: Observation & Analysis of Clinical Practice January-May 2021
- Clinical Instructor November 2018-February 2019
- Supervision of graduate students participating in telepractice collaborative between MSU and Universidad Manuela Beltran (Bogota, Colombia)
- Guest Lecturer
- CSD 203: Intro to Communication Sciences & Disorders (Voice Disorders) 2018, 2019, 2020
 - CSD 364: Evaluation Procedures in Speech-Language Pathology (Voice Assessment) 2018, 2019
 - CSD 813: Neuroanatomy & Physiology of Speech, Language, & Hearing 2019
- Teaching Assistant
- CSD 855: Dysphagia (with Jeff Searl, Ph.D.) January 2019-April 2019
 - CSD 840: Voice Disorders August 2018-December 2018
Prepared listening labs and lectured on auditory-perceptual analysis of voice
- Duquesne University**
 Department of Speech-Language Pathology
 Pittsburgh, PA
- Adjunct Professor August 2016-August 2017
- SLP 554: Voice Disorders
- Clinical Instructor February 2014-August 2017
- Supervision of graduate students during clinical externship (summer semesters)

RESEARCH EXPERIENCE

Voice & Speech Lab

Michigan State University

August 2017-May 2021

East Lansing, MI

Principal Investigator: Dimitar Deliyski, Ph.D.

Voice, Biomechanics, & Acoustics Lab

Michigan State University

January 2018-November 2019

East Lansing, MI

Principal Investigator: Eric Hunter, Ph.D.

South-West University "Neofit Rilski"

Blagoevgrad, Bulgaria

May 2019-August 2019

Principal Investigators: Dobrinka Georgieva, Ph.D. (Dept. of Logopedics);
Gergana Padareva-Ilieva, Ph.D. (Dept. of Bulgarian Language)

Northwest Clinic for Voice & Swallowing

September 2011- August 2012

Oregon Health & Science University (OHSU)

Portland, OR

CF Research Rotation, Research Coordinator: Andrew Palmer, Ph.D. CCC-SLP

- Investigated the impact of Lee Silverman Voice Treatment on voice handicap and communication effectiveness by evaluating outcomes on functional instruments such as the Voice Handicap Index and Communicative Effectiveness Survey given prior to and following treatment
- Presented research to OHSU's Speech-Language Pathology department & to the department of Otolaryngology/Head & Neck Surgery

PROFESSIONAL EXPERIENCE

Straka & McQuone, Inc.-Private Otolaryngology Practice

September 2012-August 2017

Speech-Language Pathologist

Sewickley, PA, West Penn Hospital, St. Clair Hospital

- Voice & swallowing evaluation and treatment
- Daily multidisciplinary staffing (ENT, audiology, PT)
- Provided services at 3 practice locations
- Public education/in-services for other healthcare professionals
- Implementation specialist for electronic medical records

CLINICAL FELLOWSHIP

Northwest Clinic for Voice & Swallowing

September 2011- August 2012

Oregon Health & Science University (OHSU)

Portland, OR

- Head & neck cancer screenings
- Head & neck cancer/Laryngectomy populations assessment & intervention
- TEP/Prosthesis care
- Multidisciplinary voice evaluations including flexible/rigid stroboscopy & acoustic/aerodynamic analyses using CSL
- Voice & dysphagia therapy
- Clinical swallowing evaluations
- MBS administration & interpretation

PUBLICATIONS, CONFERENCE PRESENTATIONS, & INVITED TALKS

- Ghasemzadeh, H., Powell, M., **Ford, D.S.**, Deliyski, D.D. (2023). *A framework for generating reliable ground truths for laryngeal spatial segmentation tasks*. Presented at the 15th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research (AQL), Phoenix, AZ, March 30-April 1, 2023.

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- Ghasemzadeh, H., Powell, M., **Ford, D.S.**, Deliyski, D.D. (2023). *Reliability of spatial segmentation of high-speed videoendoscopy and its temporal and spatial dependency*. Abstracts: 52nd Annual Symposium of the Voice Foundation: Care of the Professional Voice. Philadelphia, PA, May 31-June 4, 2023.
 - **Ford, D.S.**, Deliyski, D. (2022). *Feasibility of remote voice recordings following semi-occluded vocal tract (SOVT) exercise*. Poster session presented at the Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.
 - **Ford, D. S.** (2022). Remote data collection of voice metrics: Successes and pitfalls. Invited talk presented at the Annual Convention of the Pennsylvania Speech-Language-Hearing Association. Pittsburgh, PA, April 6-9, 2022.
 - **Ford, D. S.**, & Deliyski, D. (2021). Remotely collecting immediate voice production effects of semi-occluded vocal tract exercises. *The Journal of the Acoustical Society of America*, 149(4), A83-A83.
 - **Ford, D.S.** (2021). *Immediate effects of semi-occluded vocal tract exercises and the implications for clinical practice* (Publication No. 28717951) [Doctoral dissertation, Michigan State University]. ProQuest Dissertations Publishing.
 - Ghasemzadeh, H., **Ford, D.S.**, Deliyski, D.D., Powell, M. (2021, June 7-10). *Spatial segmentation of high-speed videoendoscopy with sub-pixel resolution using adaptive thresholding and double curve fitting*. Presented at the 14th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research (AQL), Bogota, Colombia (virtual meeting).
 - Ghasemzadeh, H., Deliyski, D.D., **Ford, D.S.**, Kobler, J., Hillman, R., Mehta, D. (2020). Method for vertical calibration of laser-projection transnasal fiberoptic high-speed videoendoscopy. *Journal of Voice*, 34(6), 847-861. PMID: 31151853.
 - **Ford, D.S.**, Banks, R., Hunter, E.J. (2019). *Effect of hydration on perceived vocal effort during a vocal loading task*. Poster session presented at the Annual Convention of the American Speech-Language-Hearing Association, Orlando, FL.
 - Brownell, D. A., Banks, R., Bejarano, M. A., **Ford, D.S.**, Campagnoli, T., Herrera, L., Lopez, P., Mendez Mora, J. A., Hicks, K., Phillips, M., Ramirez, J., LaPine, P., & Cantor-Cutiva, L.C. (2019). *From theory to practice: Telepractice and voice therapy*. Poster session presented at the Annual Conference of the Michigan Speech-Language-Hearing Association, East Lansing, MI.
 - Deliyski, D.D., Ghasemzadeh, H., **Ford, D.S.**, Mehta, D., Shishkov, M., Bouma, B., Kobler, J., Zañartu, M., de Alarcon, A., & Hillman, R. (2019). *Laser-projection system for and method for 3D calibrated laryngeal measurements using transnasal flexible fiberoptic high-speed videoendoscopy*. Poster session presented at the 13th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research (AQL), Montreal, Quebec, Canada.

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- Ghasemzadeh, H., **Ford, D.S.**, Deliyski, D.D., Mehta, D., Kobler, J., & Hillman, R. (2019). *Calibration method for laser-projection transnasal flexible high-speed videoendoscopy*. Abstracts: 48th Annual Symposium of the Voice Foundation: Care of the Professional Voice. Philadelphia, PA, May 29-June 2, 2019.
 - **Ford, D.S.**, Tompkins, E., Cantor-Cutiva, L.C., & Hunter, E.J. (2018). *Aerodynamic variability following repeated measures vocal loading task*. Poster session presented at the Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.
 - **Ford, D.S.**, Palmer, A., Bryans, L., Schindler, J., & Graville, D.J. (2013). *The impact of Lee Silverman Voice Treatment on voice handicap and communication effectiveness*. Poster session presented at the Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.

FEATURES & INTERVIEWS

- “Voicing the Need—and the Solution,” In the Limelight: ASHA Leader.
- “Breathing Problems Could Be Caused by Vocal Cord Dysfunction, Not Asthma.” KDKA news (CBS Pittsburgh), Dr. Maria Simbra, Pittsburgh, PA.
- “Vocal Health & Hygiene for the Professional Voice User: The Realistic, Conceptual Approach,” The Liturgical Voice, Western PA.
- “Five Questions with David Ford: Teachers and Laryngitis,” Rehabilitation Specialists, Inc., Bellevue, PA

COMMUNITY PRESENTATIONS

- “Voice Spa,” World Voice Day presentation, East Lansing, MI
- “Pediatric Voice Disorders,” Children’s Therapy Center, Washington, PA.
- “Lee Silverman Voice Treatment: An Introduction,” National Parkinson Foundation of Western Pennsylvania Support Group, Sewickley, PA.
- “Voice Therapy for Pediatric Patients,” Laughlin Children’s Center, Sewickley, PA.
- “Vocal Health & Hygiene for the Professional Voice User,” National Pastoral Musicians’ Forum. Pittsburgh, PA.
- “Normal Voice & Swallowing and What Can Go Wrong,” HealthSouth Rehabilitation Hospital, Sewickley, PA.
- “Lee Silverman Voice Treatment: An Overview,” HealthSouth Rehabilitation Hospital, Sewickley, PA.
- “Your Healthy & Loud Voice...Let’s Keep it that Way: Voice Therapy and Parkinson Disease,” presented with Annette Neff, M.S. CCC-SLP, National Parkinson Foundation of Western Pennsylvania Support Group, Sewickley, PA.
- “Lee Silverman Voice Treatment for Individuals with Parkinson Disease,” National Parkinson Foundation of Western Pennsylvania Support Group, Cranberry, PA.

AWARDS, HONORS, & FUNDING

- **#iteachmsu Educator Award** August 2021
- **MSU Graduate School Dissertation Completion Fellowship** December 2020-May 2021
- **Erasmus+ Programme Student Mobility Scholar** May 2018-August 2018

Grant to cover teaching and research at South-West University "Neofit Rilksi" in Blagoevgrad, Bulgaria

2018-2019

- **Charles J. Strosacker Graduate Research Fellowship Award**
Longitudinal Effects of Hydration: A Comprehensive Voice Analysis

2019-2022

- **ASHA's Award for Continuing Education**

2012-2015

SERVICE TO THE PROFESSION

- **Pennsylvania Speech Hearing Association (PSHA) Convention Planning**
Adult Voice Topic Chair

July 2020-April 2021

December 2018-Present

- **Journal of Logopedics, Phoniatrics, Vocology**
Peer reviewer of submitted manuscripts

2017-2018

- **International Conference for Voice Physiology & Biomechanics**
Scientific planning committee including abstract review

2014-2016

- **Pennsylvania Speech Hearing Association (PSHA) Executive Board**
Vice President of Membership & Ethical Practices

PROFESSIONAL WORKSHOPS & TRAINING

- International Conference for Voice Physiology & Biomechanics (East Lansing, MI)
- Association of H&N Cancer Rehab 3rd Annual Clinical Laryngectomy Conference (East Lansing, MI)
- FEES & Advanced FEES training and performance (Oregon Health & Sciences University, Portland, OR)
- Voice Therapy from Pediatrics to Geriatrics (Las Vegas, NV)
- Sin City Laryngology Conference (Las Vegas, NV)
- American Academy of Otolaryngology-Head & Neck Surgery Conference (Washington, DC)

CLINICAL EXPERIENCE (AS A GRADUATE STUDENT)

Ohio Valley General Hospital

May 2011-July 2011

McKees Rocks, PA

- Aphasia & cognitive inpatient & outpatient therapy
- Dysphagia therapy
- MBS administration & interpretation
- Inpatient & outpatient communication assessments
- Medical billing and documentation experience
- Daily multi-disciplinary staffings and co-treatment

HealthSouth Rehabilitation Hospital of Sewickley

January 2011-April 2011

Sewickley, PA

- Dysphagia therapy-individual and group settings

- MBS interpretation
- Voice therapy with individuals with cognitive impairments
- Inpatient and outpatient cognitive therapy including: memory, attention orientation, and executive functions
- Therapy for the aphasia and traumatic brain injury populations
- Medical billing and documentation experience
- Daily multi-disciplinary staffings and co-treatment
- FIM education

Moon Area School District: Senior High and Bon Meade Elementary

August 2010-December 2010

Moon Township, PA

- Case manager for a school-aged student with vocal nodules
- Therapy for students with cleft-palate; reducing compensatory laryngeal hyperfunction
- Speech and language screening
- Evaluation and IEP report writing
- Language and articulation intervention across a wide age and underlying disorder range
- Differential diagnosis
- Intervention treating students with social and cognitive impairments
- Interdisciplinary evaluations with school administration, psychologists, etc.

Duquesne University Speech-Language-Hearing Clinic

August 2009-August 2010

Pittsburgh, PA

- Rigid endoscopic laryngeal imaging & videostroboscopy experience
- Acoustic voice assessment using Kay Pentax's MDVP & Multi-Speech Programs
- Multiple voice screenings for professional voice users
- Voice evaluation & therapy
- Hearing Screenings
- Diagnostic and intervention experience treating the following populations: neurocognitive disorders across severity levels; child language; adult voice; child fluency; and child articulation
- Group and individual therapy

OTHER EXPERIENCE

UPMC Voice Clinic, Mercy Hospital, Pittsburgh, PA
Student Scholar

2009; 2010

Metropolitan E.N.T., UPMC Passavant Hospital, Pittsburgh, PA
Student Observer

2010

Spotlight Musical Theatre Company, Pittsburgh, PA
Vocal Coach

2010

PROFESSIONAL AFFILIATIONS

American Speech-Language-Hearing Association (ASHA)
Special Interest Division # 3: Voice & Voice Disorders

CERTIFICATIONS

ASHA's Clinical Competence Certification (CCC-SLP)
LSVT LOUD (Lee Silverman Voice Treatment) Certification
CPR Certification