

David S. Ford, Ph.D. CCC-SLP

Duquesne University
John G. Rangos, Sr. School of Health Sciences
Department of Speech-Language Pathology
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EDUCATION

2021	Doctor of Philosophy, Communicative Sciences & Disorders Michigan State University
2011	Master of Science, Speech-Language Pathology Duquesne University
2010	Bachelor of Science, Speech-Language Pathology Duquesne University

PROFESSIONAL EXPERIENCE

2022-Present	Assistant Professor Program Director, Voice & Upper Airway Clinic Department of Speech-Language Pathology Duquesne University
2021-2022	Director of Clinical Education Assistant Professor Department of Communication Sciences & Disorders Thiel College
2020-2021	Adjunct Professor Department of Communication Sciences & Disorders Thiel College
2017-2020	Research & Teaching Assistant Department of Communicative Sciences & Disorders Michigan State University
2016	Adjunct Professor Department of Speech-Language Pathology Duquesne University
2012-2017	Speech-Language Pathologist Straka & McQuone, Inc. (now AHN Otolaryngology)
2011-2012	Clinical Fellow Northwest Clinic for Voice & Swallowing Disorders Oregon Health & Science University (OHSU)

PROFESSIONAL AFFILIATIONS & CERTIFICATIONS

American Speech-Language-Hearing Association (ASHA), Certified Member
Pennsylvania Speech-Language-Hearing Association (PSHA), Member
Bulgarian Society of Medical Speech-Language Pathologists, Honored Member
ASHA Special Interest Group 3: Voice & Upper Airway Disorders, Member
Licensed SPEAK OUT! Provider

Licensed to practice Speech-Language Pathology in the state of Pennsylvania

TEACHING

COURSES TAUGHT

Duquesne University

Summer 2024-present	SLP 515: Research in Speech-Language Pathology
Fall 2022-present	SLP 554: Voice Disorders (Graduate) REHS 561: Voice Disorders (Duquesne-China Health Institute) SLP 540W: Clinic I (Graduate—Voice & Upper Airway Disorders Clinic) SLP 250: Anatomy & Physiology of Speech & Hearing (Undergraduate)
Spring 2022-present	SLP 541: Clinic II (Graduate—Voice & Upper Airway Disorders Clinic) SLP 310: Speech Science (Undergraduate)
Spring 2022	SLP 400: Independent Study
Summer 2022-present	SLP 542: Clinic III (Graduate—Voice & Upper Airway Disorders Clinic)
Fall 2016 (Adjunct)	SLP 554: Voice Disorders (Graduate) REHS 561: Voice Disorders (Duquesne-China Health Institute)

Thiel College

Fall 2020-2021	CSD 541: Dysphagia (Graduate) CSD 525: Clinic II (Graduate) CSD 415: Intro to Clinical Observation & Methodology (Undergraduate)
Spring 2020-2021	CSD 551: Voice Disorders (Graduate) CSD 420: Clinic I (Undergraduate) CSD 215: Anatomy & Physiology of the Speech Mechanism (Undergraduate)
Summer 2021-2022	CSD 515: Clinic I (Graduate)

Michigan State University

Fall 2019-2020	CSD 313: Speech Science (Undergraduate)
Spring 2021	CSD 391: Observation & Analysis of Clinical Practice (Undergraduate)

Guest Lectures

Fall 2018-2020 (Michigan State University)	CSD 203: Intro to Communication Sciences & Disorders CSD 391: Evaluation Procedures in Speech-Language Pathology CSD 813: Neuroanatomy & Physiology of Speech, Language, & Hearing
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GRADUATE & UNDERGRADUATE STUDENT ADVISING

2024-2025	Served as advisor to 12 Speech-Language Pathology students
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Master's Thesis

Neves, M. (Graduate student: Biomedical Engineering)
Title: *Computational Models of Vocal Fold Lesions: Analysis of Fluid Structure Interactions*
Thesis defense committee member

Student Mentorship

Penrod, M., Hauck, S., & Bracken, K. (Undergraduate students)
Title: *Understanding Student Visual-Perceptual Judgements During Laryngeal Examination Interpretation Using Eye Tracking*

Poster presentation at the DU Undergraduate Research & Scholarship Symposium.

Oral presentation at the National Conference for Undergraduate Research.

Poster presentation at the Annual Convention of the American Speech-Language-Hearing Association.

Haupt, C., Schreffler, P., Spadone, C. (Professional-phase students)
Shutika, T. (Undergraduate student)
Title: *Professional Wrestlers: A New Population of At-Risk Occupational Voice Users*

Poster presentation at the Annual Convention of the American Speech-Language-Hearing Association.

Poster presentation at the DU Undergraduate Research & Scholarship Symposium.

Poster presentation at the National Conference for Undergraduate Research.

2023-2024

Student Mentorship

Served as advisor to 12 Speech-Language Pathology students
Leash, K. and Mathias, M. (Professional-phase students)
Title: *Developing a Community-Engaged Voice Screening for Teachers*
Poster presentation at the Annual Convention of the American Speech-Language-Hearing Association.
Both students awarded support from the 23-24 Student Conference Fund.

2022-2023

Student Mentorship

Served as advisor to 10 Speech-Language Pathology students
Leash, K. and Mathias, M. (Undergraduate students)
Title: *Now Screening...Teachers: Developing a Community-Engaged Voice Screening*
Independent study & poster presentation (which was selected to be provided as an oral presentation) at the 2023 Duquesne University Undergraduate Research & Scholarship Symposium.
Awarded the Gumberg Library Oral History Initiative Award

Song, Y. (Duquesne-China Health Institute graduate student)
Title: *Person-Centered Voice Analysis: The Effect of Positive Mental Characters on Acoustic Measures of Voice Production*
Poster presentation at the 2023 Duquesne University Graduate Research Symposium.

2021-2022

Master's Thesis

Served as advisor to 9 Speech-Language Pathology students (Thiel College)
Strevett, A. (Graduate student)
Title: *The Effects of Clinical Experience on the Variability and Reliability of CAPE-V Ratings in Non-pathological Voices*
Thesis committee member (Michigan State University)

2020-2021

Student Mentorship

Chuah, C., Lee, L., Drost, A., and Holland, M.

SCHOLARSHIP

PUBLICATIONS

Peer-Reviewed

Ford, D.S., Zacharias, S. R., Deliyski, D. D. (2025). Objective high-speed videoendoscopy measures of vocal fold vibration during semi-occluded vocal tract exercise. *Journal of Voice (in press)*.

Ghasemzadeh, H., Powell, M., **Ford, D.S.**, Deliyski, D.D. (2025). Uncertainty of spatial segmentation of high-speed videoendoscopy and its temporal and spatial dependency. *Journal of Voice (in press)*.

Ford, D. S., & Deliyski, D. (2024). Effects of semi-occluded vocal tract exercise on vocal fold biomechanics as observed during high-speed videoendoscopy. *Proceedings of the Summer Biomechanics, Bioengineering, and Biotransport Conference*. SB3C Foundation, Inc. https://sb3c.org/wp-content/uploads/2024/SB3C2024_Proceedings_Book.pdf

Ford, D.S., Hunter, E. J., Deliyski, D. D. (2024). Immediate effects of semi-occluded vocal tract exercises on acoustic, auditory-perceptual, and self-perceptual measures of voice production. *Folia phoniatrica et logopaedica*, 76(5), 467-481. <https://doi.org/10.1159/000536002>

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. <https://doi.org/10.1121/10.0004589>

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., 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.

Under Review

Song, Y., Jiang, F., Qi, M., Yang, Y., **Ford, D. S.** The effect of positive mental characters on acoustic measures of voice production. (Manuscript submitted to the *Journal of Interdisciplinary Voice Studies*.)

Works in Progress

Ghasemzadeh, H., Powell, M., **Ford, D.S.**, Deliyski, D.D. Experimental framework for generating reliable ground truth for laryngeal spatial segmentation tasks. (Data analysis is complete. Manuscript in preparation.)

Ghasemzadeh, H., **Ford, D.S.**, Deliyski, D.D., Powell, M. Spatial segmentation of high-speed videoendoscopy with sub-pixel resolution using adaptive thresholding and double curve fitting. (Data analysis is complete. Manuscript in preparation.)

Ghasemzadeh, H., **Ford, D.S.**, Powell, M., Deliyski, D. The effect of gender and disorder on interpretation of spatial measurements collected from high-speed videoendoscopy. (Data analysis is complete. Manuscript in preparation.)

SCHOLARLY PRESENTATIONS

Powell, M., Ghasemzadeh, H., **Ford, D.S.**, & Deliyski, D.D. (2025, November). *Laryngeal Imaging: From Clinical Gold Standard to Emerging Technologies*. Presented at the Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C.

Penrod, M., Bracken, K., Gibbs, W., & **Ford, D.S.** (2025, November). *Understanding student visual-perceptual judgements during laryngeal examination interpretation using eye tracking*. Presented at the Annual Convention of the American Speech-Language-Hearing Association, Washington, D.C.

Spadone, C., Haupt, C., Schreffler, P., Shutika, T., & **Ford, D.S.** (2025, April). *Occupational Risk Associated with Voice Use Amongst Professional Wrestlers*. Presented at the National Conference for Undergraduate Research, Pittsburgh, PA.

Penrod, M., Hauck, S., Bracken, K. & **Ford, D.S.** (2025, April). *Understanding Students' Judgements During Laryngeal Image Interpretation*. Presented at the National Conference for Undergraduate Research, Pittsburgh, PA.

Haupt, C., Schreffler, P., Spadone, C., & **Ford, D.S.** (2024, November). *Professional wrestlers: A new population of at-risk occupational voice users*. Presented at the Annual Convention of the American Speech-Language-Hearing Association, Seattle, WA.

Ghasemzadeh, H., Bernhard Jakubaß, Powell, M., **Ford, D.S.**, & Deliyski, D.D. (2024, July). *Reliable segmentation of vocal fold edges from high-speed videoendoscopy and the parameters affecting it*. Presented at the 13th Annual Conference on Voice Physiology and Biomechanics. Erlangen, Germany.

Song, Y., Jiang, F., Qi, M., Yang, Y., & **Ford, D.S.** (2023, November). *Person-Centered Voice Analysis: The Effect of Positive Mental Characters on Acoustic Measures of Voice Production*. Presented at the Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

Mathias, M., Leash, K., & **Ford, D.S.** (2023, November). *Developing a Community-Engaged Voice Screening for Teachers*. Presented at the Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

Ghasemzadeh, H., Powell, M., **Ford, D.S.**, & Deliyski, D.D. (2023, May). *Reliability of spatial segmentation of high-speed videoendoscopy and its temporal and spatial dependency*. Presented at the 52nd Annual Symposium of the Voice Foundation: Care of the Professional Voice. Philadelphia, PA.

Ghasemzadeh, H., Powell, M., **Ford, D.S.**, & Deliyski, D.D. (2023, March). *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.

Ford, D.S., & Deliyski, D. (2022, November). *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.

Ghasemzadeh, H., **Ford, D.S.**, Powell, M., & Deliyski, D. (2022, June). *Investigating the contribution of spatial and temporal redundancy to the accuracy of spatial segmentation of high-speed videoendoscopy*. 51st Annual Symposium of the Voice Foundation: Care of the Professional Voice, Philadelphia, PA.

Ghasemzadeh, H., **Ford, D.S.**, Deliyski, D.D., & Powell, M. (2021, June). *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).

Ford, D.S., Banks, R., & Hunter, E.J. (2019, November). *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, March). *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, June). *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.

Ghasemzadeh, H., **Ford, D.S.**, Deliyski, D.D., Mehta, D., Kobler, J., & Hillman, R. (2019, May). *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.

Ford, D.S., Tompkins, E., Cantor-Cutiva, L.C., & Hunter, E.J. (2018, November). *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, November). *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.

Invited Presentations

Ford, D.S. & Deliyski, D. D. (2024, June). *Effects of semi-occluded vocal tract exercise on vocal fold biomechanics as observed during high-speed videoendoscopy*. Invited presentation at the Summer Biomechanics, Bioengineering, & Biotransport Conference. Lake Geneva, WI.

Ford, D.S., Baumann, B., DiGiovine, M. (2023, August). *Vocal Wellness for Professional Voice Users*. Invited presentation at the Mary Pappert Music School for the Voices of Spirit and Pappert Chorale choirs.

Ford, D. S. (2023, June). *High-speed videoendoscopy: Clinical implications and case studies*. Invited presentation at the 14th Annual Duquesne University Speech-Language Pathology Symposium. Pittsburgh, PA.

- Baumann, B. & **Ford, D. S.** (2023, May). *Pediatric voice workshop* [Virtual workshop]. Invited presentation at the Allegheny Intermediate Unit's Sharing Meeting 2023.
- Ford, D. S.** & Baumann, B. (2022, August). *Pediatric voice disorders*. Invited presentation at the Allegheny Intermediate Unit's Fall Professional Development Series. Pittsburgh, PA.
- Ford, D. S.** (2022, April). *Remote data collection of voice metrics: Successes and pitfalls*. Invited presentation presented at the Annual Convention of the Pennsylvania Speech-Language-Hearing Association. Pittsburgh, PA.
- Ford, D. S.**, Cantor-Cutiva, L.C. (2018, April). *Voice spa*. Invited workshop presentation presented for World Voice Day at Michigan State University. East Lansing, MI.
- Ford, D. S.** (2015, December). *Pediatric voice disorders*. Invited presentation at the Children's Therapy Center. Washington, PA.
- Ford, D. S.** (2014, March). *Lee Silverman Voice Treatment: An introduction*. Invited presentation at the National Parkinson Foundation of Western Pennsylvania Support Group. Sewickley, PA.
- Ford, D. S.** (2014). *Voice therapy for pediatric patients*. Invited presentation at the Laughlin's Children Center. Sewickley, PA.
- Ford, D. S.** (2013). *Vocal health & hygiene for the professional voice user*. Invited presentation at the National Pastoral Musicians' Forum. Pittsburgh, PA.

FEATURES & INTERVIEWS

- DiVittorio, M. (2022, August 31). Quaker Valley grad recently named speech-language professor at Duquesne University. *TribLIVE*. https://triblive.com/local/sewickley/quaker-valley-grad-recently-named-speech-language-professor-at-duquesne-university/?fbclid=IwAR03Y9oq65MkyIB3s0v3PXFwaoJLZw_iRtl60Mf-KlazT2HvN3_x6iUTXVc.
- Dames, K. (2018, September 24). Five questions with David Ford: Teachers and laryngitis. *Rehabilitation Specialists, Inc.* <https://rehabspecialists.blogspot.com/2018/09/5-questions-with-david-ford-teachers.html>.
- Rowden-Racette, K. (2013, March). Voicing the need—and the solution. *The ASHA Leader*, 18(3), 12-13.
- CBS Pittsburgh. (2012, November). *Breathing problems could be caused by vocal cord dysfunction, not asthma*. <https://www.cbsnews.com/pittsburgh/news/breathing-problems-could-be-caused-by-vocal-cord-dysfunction-not-asthma/>

AWARDS, HONORS, & FUNDING

2024	Charles Henry Leach II Fund Grant, \$22,800
2024	Dean's Award for Faculty Excellence: Innovative Teaching & Pedagogy
2024-2025	John G. Rangos, Sr. Prize (Advancing Applicant), \$1,000
2023-2024	John G. Rangos, Sr. Prize, \$1,000
2023	Presidential Faculty Summer Writing Award, \$5,000
2019-2022	American Speech-Language-Hearing Association Award for Continuing Education (ACE)
2021	#iteachmsu Educator Award
2020-2021	Michigan State University Dissertation Completion Fellowship, \$8,000
2018-2019	Charles J. Strosacker Graduate Research Fellowship Award, \$3,050

2018	Erasmus+ Programme Student Mobility Scholar
2012-2015	American Speech-Language-Hearing Association Award for Continuing Education (ACE)

SERVICE

SERVICE TO DUQUESNE UNIVERSITY

Service to the Department of Speech-Language Pathology

2022-present	Faculty Advisor/Mentor Curriculum Committee Educational Technology Committee
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Service to the John G. Rangos, Sr. School of Health Sciences

2024	RSHS Allied Health Exploration Summer Camp Faculty Judge for Graduate Research Symposium
2022-present	RSHS Strategic Planning Committee RSHS Anatomy Committee/John A. Short Award Review Committee RSHS Community Engagement Task Force

Service to the University

2024	Presidential Summer Faculty Writing Award Selection Committee Faculty Judge for Undergraduate Research & Scholarship Symposium
2023-present	Academic Freedom Committee

SERVICE TO THE PROFESSION

2024-present	Refereed journal reviewer for Journal of Voice
2023-present	Refereed journal reviewer for Teachers and Teaching: Theory and Practice
2023-present	Refereed journal reviewer for Folia Phoniatica et Logopaedica
2018-present	Refereed journal reviewer for Journal of Logopedics, Phoniatrics, Vocology
2020-2021	Adult Voice Topic Chair, Pennsylvania Speech-Hearing Association (PSHA) Convention
2017-2018	Scientific planning committee and abstract review for International Conference for Voice Physiology & Biomechanics (ICVPB)
2014-2016	Executive Board of Pennsylvania Speech-Hearing Association (PSHA), Vice President of Membership & Ethical Practices