

**Twenty-second Biennial
Conference on Motor Speech:
Motor Speech Disorders
&
Speech Motor Control**

Feb 25 – 28, 2026
Tempe, AZ

Motor Speech Disorders/Speech Motor Control

Co-Conference Chair: Heather Clark, Ph.D.
Co-Conference Chair: Jordan Green, Ph.D.
Co-Conference Chair: Yana Yunusova, Ph.D.
Program Chair: Rene Utianski, Ph.D.
Program Chair: Ayoub Daliri, Ph.D.

Signal Analytics Workshop

Co-Conference Chair: Visar Berisha, Ph.D.
Co-Conference Chair: Julie Liss, Ph.D.
Program Char: Alan Wisler, Ph.D.

Publications: Christopher Dromey, Ph.D.

Conference Management: Mark Hakel, Ph. D.

Acknowledgment: This conference has been sponsored in part by the Department of Neurology, Mayo Clinic, Rochester, MN, the Division of Medical Sciences Communication Sciences and Disorders, Harvard, and the Institute for Rehabilitation Science and Engineering at Madonna Rehabilitation Hospital, Lincoln, NE.

WEDNESDAY, FEBRUARY 25, 2026

Signal Analytics Workshop

8:00 AM Welcome

8:15 AM SAMS Session 1: Computational & Neural Foundations of Disordered Speech

- Speech inversion neural networks can quantify articulatory proximity of errored phones to correct productions
 - N. Benway, S. Tabatabaee, D. Wang, B. Munson, J. Preston, C. Espy-Wilson
- Speech Acoustics Detect Preclinical Alzheimer's Risk Confirmed by Plasma p-Tau217 and APOE-ε4
 - M. Eshghi
- Dorsal and Ventral LMC: A Tale of Two Laryngeal Motor Cortices
 - N. Kshatriya, G. Battistella, L. O'Flynn, R. Belisle, S. Frankford, K. Simonyan

9:15 AM Keynote Speaker: Dr. Kristina Simonyan

- Evolving Understanding of Laryngeal Dystonia

10:45 AM Break

11:00 AM SAMS Session 2: AI Modeling of Speech Production

- Identifying clinically relevant articulatory patterns within perceptually inaccurate rhotic productions using self supervised learning on lingual ultrasound data
 - A. Eads, T. Kim, R. Lazarus, M. Leece, E. Hitchcock, J. Preston, B. McFee, H. Shu, T. McAllister
- A Clinically Informed Machine Learning Framework for Objective Prediction of Speech Intelligibility in Dysarthria
 - K. Kothadia, V. Berisha, J. Liss

11:40-1:10 PM SAMS Poster Session

B. Story, K. Bunton	The relation of vowel identification to vocal tract resonance deflection patterns
K. Dahl	Controlling for natural variation in fundamental frequency is unnecessary to measure vocal motor learning
J. Choi, K. Hwang, G. Moya-Galé, E. Levy	Automatic Speech Recognition for Differentiating Childhood Dysarthria from Typical Speech
H. Rowe, E. DiStefano-Forti, T. Latham, G. Shinde, K. Stipancic, E. Martin, L. Roberts, K. Allison	Slow and Steady Wins The Race: The Influence of Speaking Rate on Outcomes of SPEAK OUT!® Therapy Program for Individuals with Parkinson's Disease
B. Parrell, E. San Segundo	Automatically-extracted rhythm metrics can distinguish the presence, subtype, and severity of ataxic dysarthria
A. Thompson, A. Wisler, C. Wynn, K. Tetzloff, S. Yoho, S. Borrie	Segmental Variability as a Predictor of Perceptual Learning of Children's Speech
M. Kadyrova, J. Wang, E. Sejdic, Y. Yunusova	Deep learning-based tongue segmentation and motion quantification from in-the-wild videos for motor neuron disease assessment
A. Wisler, K. Tetzloff, S. Borrie	Intra-speaker variability inhibits speaker adaptation in automatic speech recognition
R. deJesus, J. Lee, B. Myers	Vowel Space Area and Vowel Articulation Index Increase After SPEAK OUT!® Therapy
A. Fletcher, A. Wisler, S. Borrie	Acoustic Analysis of Hypernasality in Dysarthria: An Evaluation of Automated Approaches
K. Teplansky, E. Rangel, J. Wang	Comparative Analysis of Articulatory Movements in Normal, Whispered, and Silent Vowel Production
E. Yeo, J. Liss, V. Berisha, D. Mortensen	Universal Articulation Entropy: A Multilingual Phoneme Production Metric in Dysarthria
T. Knowles, M. Philippone, M. Cuervo Cano, H. Cheng, J. Berry, A. Buchwald	Leveraging automatic forced alignment for acoustic segmentation of speech in Parkinson's disease
M. Cuervo Cano, H. Cheng, M. Philippone, T. Knowles, A. Buchwald	Using the Montreal Forced Aligner to transcribe English speakers producing non-native speech sequences
D. Rodriguez-Orozco, K. Teplansky, A. Narasimha, E. Rangel, J. Kwon, J. Wang	Cross-Linguistic Articulatory Working Space and Phoneme Distinctiveness in Spanish and English
A. Thompson, Y. Kim	Clear Speech Across Passage Reading in Parkinson's Disease
Z. Kriegel, S. Bolouri, D. Shukla, A. Gregory, A. Fullenkamp	Machine Learning Precision in Quantifying Speech Kinematics Across Fast Speech Rates
P. Kadambi, T. Mahr, K. Hustad	Noise Robustness of Automated Goodness of Pronunciation (GOP) in Child Speech
Z. Kriegel, V. Davydzhenka	Listener Perceptions of Primary Progressive Apraxia of Speech: Intelligibility with Progression and Training
H. Valentine, J. MacAuslan, M. Grigos, M. Speights	Comparing Automated Formant Measurement Tools with Diverse Pediatric Samples

1:10-2:30 PM Lunch and MSC Registration

2:30 Welcome

2:45 PM MSC Session 1: Therapeutic Advances for Treating Motor Speech Disorders

- Treating acquired apraxia of speech: An ANDCS systematic review of research spanning seven decades
 - K. Haley, L. Bislick, R. Johnson, C. King, K. Nealon, R. Utianski, J. Wambaugh
- Visual Biofeedback Accelerates Motor Learning for /ɪ/: Primary Outcome of a Preregistered Randomized Controlled Trial
 - T. McAllister, E. Hitchcock, N. Benway, M. Lara, M. Leece, W. Liang, J. Preston
- Room to breathe: The effects of combined SpeechVive and EMST treatment for hypokinetic dysarthria
 - E. Schieltz, K. Richardson, B. Kiefer, K. Stipancic, M. Troche, L. Roberts, J. Huber

3:45 PM Break

4:00 PM MSC Session 2: Cognition, Language, and Communication Participation

- Working Memory and Its Role in Speech Production
 - Y. Merrikhi, A. Daliri

- Applying Systemic Functional Linguistics to Examine the Effects of Concurrent Task Demands on Linguistic Structure in Parkinson Disease
 - M. Pourmohammadi, B. Archer, J. Whitfield
- Communicative Self-Efficacy in Adolescents with Down Syndrome
 - M. Darling-White, T. Oglivie, K. Saunders, C. Baylor
- Turn-taking in conversations with people with Parkinson's Disease
 - L. Eijk, A. Fletcher, T. Barrett, S. Meekings, S. Borrie

5:15 – 7:15 PM Reception and MSC Poster Session 1

M. Masapollo, M. Mims, V. Ramjee, S. Nittrouer	Sensorimotor control of speech movements by cochlear implant recipients
E. Levy, K. Hwang, J. Choi, G. Moya-Gale, K. Tetteh, J. Svec	Tutorial: How to audio-record and play back speech to include its intensity
L. Arzbecker, N. Cline, K. Tjaden	Validating automated speech timing methods across sentence, paragraph, and monologue tasks
J. Lee, S. Wolf, K. Sturges, K. Wilkinson	Relationship between tongue and jaw range of motion and acoustic vowel space in individuals with Down syndrome
J. Case, K. Sullivan, H. Deschaine, Y. Lu, M. Grigos	Effects of Caregiver Training on DTTC Treatment Outcomes in Childhood Apraxia of Speech: A Randomized Control Trial
M. Maffei	Early Motor and Language Predictors of Speech Motor Development in Late Talkers
K. Richardson, J. Huber	Respiratory Coordination Patterns During Metabolic and Speech-Related Breathing in Parkinson's Disease
J. Hunter, A. Goudarzi, E. Maas, B. Keller, L. Escalada-Cebadero, G. Moya-Gale	User Experience and Acceptability of a Web-based Application to Improve Intelligibility in Parkinson's Disease
K. Stipancic, K. Gates, A. Mefferd	Speaker and listener contributions to the minimally detectable change of intelligibility
T. Munasinghe, B. Bhat, H. Terband	Speech Perception in Developmental Speech Sound Disorders: An Updated Systematic Review
G. Meade, H. Clark, J. Duffy, R. Utianski	Communication preferences and AAC support among individuals with progressive apraxia of speech
A. Nielsen, D. Boeg Thomsen	Preoperative Speech Characteristics in Children with Posterior Fossa Tumours: Results from the Danish Subgroup of the European CMS Study
D. Togli, J. Vojtech, M. Díaz Cádiz, D. Dragicovic, K. Siedman, J. Rojas, A. Estrada, A. Haubrich, C. Stepp	Respiratory Kinematics during clear speech instruction in Parkinson's disease
M. Darling-White, A. Salazar Contreras, F. Murray, A. LaCross, T. Oglivie	"Sopa de Pescado": A Culturally and Linguistically Responsive Spanish Language Reading Passage for the Assessment of Motor Speech Disorders
A. Sreedhar, A. Basciano, A. Daliri	An ERP study exploring Pre-Speech Auditory Modulation in response to Congruent and Incongruent Stimuli
K. Haley, A. Jacks	Defining the quality of distortion errors in acquired apraxia of speech
E. Wang, T. Mahr, K. Hustad	Are parents' better judges of their child's speech? Quantifying the parental advantage in speech intelligibility
S. Kim, C. Daughtridge, M. Hirsch, A. Jacks, L. Johnson, M. Rodriguez, K. Haley	How do distortion errors and phonemic errors differentiate among stroke survivors with aphasia, apraxia of speech, and dysarthria?
B. Bhat, T. Munasinghe, E. Mueller, H. Terband	Development and Validation of a Novel Nonword Task to Assess Speech Accuracy in Children with SSD
K. Tetzloff, A. Wisler, S. Leopold, T. Barrett, S. Borrie	Perceptual learning of children's speech by naïve versus parent listeners
C. Geissler, M. Jaye	Evaluation of prototype MagTrack articulograph and its effects on speech production

A. Shapira, A. Schiff, V. Livneh, S. Hassin-Baer, A. Ezra, A. Saar, T. Gurevich, Y. Manor	Smartphone-Based Speech Analysis for AI-Driven Dysphagia Detection in Parkinson's Disease
J. Koroschetz, K. Stipancic, J. Higginbotham, J. Huber	Comparing pause types to uncover pausing mechanisms in Parkinson's disease
J. Campbell, D. Byrd, L. Goldstein	Spectral and articulatory temporal properties of dysarthric speech
S. Yoho Leopold, K. Tetzloff, S. Borrie	Enhancing Speech Understanding in Childhood Apraxia of Speech: A Perceptual Learning Approach for Clinicians
S. Caspari, M. Beiting, T. Niculae-Caxi, E. Maas	A tale of two scoring systems: Speech accuracy as outcome measure in treatment studies for childhood apraxia of speech (CAS).
M. Lara, A. Eads, D. Shiller, J. Preston, E. Hitchcock, T. McAllister	Does Speech Treatment Affect Perception? Evidence From a Randomized Trial in Children With RSSD
L. Roberts, M. Cannito, K. Millard	Acoustic Markings of Lexical Stress in Oral Reading by Individuals with Parkinson's Disease Before and After Lee Silverman Voice Treatment
L. Bislick (Wilson), K. Haley, K. Nealon, C. Purcell, R. Johnson, R. Utianski, J. Wambaugh	Candidacy in apraxia of speech treatment: An ANCDs systematic review of research spanning seven decades
P. Rong, L. Heidrick	An interpretable acoustic-based approach for automated objective assessment and phenotyping of progressive communication disorders
D. Kung, P. McCabe, E. Bourne, P. Avramovic, S. Brassel, D. Thomas	A pilot study of Rapid Syllable Transition Treatment (ReST) for adults with Apraxia of Speech
L. Eijk, S. Meekings	Interactional dynamics in online conversations with people who do and do not stutter

THURSDAY, FEBRUARY 26, 2026

Motor Speech Conference

8:00 AM: MSC Session 3: Data-Driven Diagnosis in Motor Speech Disorders

- Speaking Rate and Pause Ratio as Disease-Specific Markers of Communicative Participation and Depression in Spinocerebellar Ataxia and Parkinson's Disease
 - H. Rowe, G. Shinde, K. Connaghan, A. Gupta
- The Power of Articulatory Priors: A Compact Model for Robust Motor Speech Disorder Classification
 - F. Wang, R. Utianski, J. Duffy, L. Barnard, H. Botha
- A Temporal Analysis of Multimodal Oral Diadochokinetic Performance For Differential Assessment of Motor Speech Impairments in Neurodegenerative Diseases
 - P. Rong, K. Marx

9:00 AM MSC Keynote 1: Dr. Hugo Botha

- From Neural Circuits to Neural Networks: AI for Detection and Monitoring of Neurogenic Motor Speech Disorders

10:30 BREAK

10:45 – 11:45 AM: MSC Session 4: Dynamic Temporal and Tactile Cueing in Childhood Apraxia of Speech

- Cross-Linguistic Generalization of Segmental and Suprasegmental Gains from Dynamic Temporal and Tactile Cueing in Cantonese-English Bilingual Children with Childhood Apraxia of Speech
 - E. Wong, M. Wong, S. Velleman
- A Randomized-Controlled Trial Examining the Effect of Dose Frequency on DTTC Treatment Outcomes for Children with CAS
 - J. Case, M. Grigos, S. Velleman, E. Murray, D. Thomas, R. Cavanaugh, S. Anumandla, J. Iuzzini-Seigel

- Comparing Dynamic Temporal and Tactile Cueing (DTTC) with usual care: A randomized control trial
 - P. McCabe, J. Preston, E. Maas, R. Heard, D. Thomas, E. Murray, A. Purcell, M. Gomez, M. Leece, S. Arora, T. Staples, J. Choo

11:45 – 12:15 PM: MSC KEYNOTE SESSION 1 DISCUSSION

12:15 – 1:00 PM: Discussion about the future of CMS and ANCDs partnership

1:00 Adjourn for the day. Afternoon free.

FRIDAY, FEBRUARY 27, 2026

8:00 AM: MSC Session 5: Targeting Neural Circuits for Speech Rehabilitation

- Cortical areas causally involved in speech motor memory retention
 - N. Rao, R. Gendron, T. Manning, D. Ostry
- Systematic Individualized Motor Planning Learning Enhancement (SIMPLE) treatment with tDCS for Apraxia of Speech
 - A. Buchwald
- Targeted Deep Brain Stimulation of Motor Thalamus Improves Speech After Cerebral Lesions
 - J. Ting, L. Tang, S. Nouduri, A. Damiani, N. Macellari, K. Stipancic, J. Gonzalez-Martinez, E. Pirondini

9:00 AM: MSC Keynote Session 2: Dr. Jeremy Greenlee

- Neuromodulation and Speech: Insights from Deep Brain Stimulation

10:30 AM BREAK

10:45 AM MSC Session 6: Neural processes of Sensorimotor Integration

- Older adults who modulate during speech planning exhibit better speech error correction abilities
 - A. Basciano
- Speech motor precision via inhibitory control in stuttering and non-stuttering adults
 - T. Saltuklaroglu, K. Reilly, A. Bowers, E. Brown, B. Rafferty, D. Casenhiser, A. Harkrider
- Age-related changes in neural responses to auditory feedback during speech production
 - R. Rangwala, K. Brent, K. Ranasinghe, J. Houde, S. Nagarajan

11:45 AM: MSC KEYNOTE SESSION 2 DISCUSSION

12:15 – 2:00 PM Lunch

2:00 – 4:00 MSC Poster Session 2

C. Dromey, N. Wynn	Task Priority in Divided Attention
G. Moya-Gale, A. Goudarzi, E. Maas, X. Chen, L. Liu, B. Keller	Using Noise-Augmented Feedback and Automatic Speech Recognition to Improve Intelligibility, Ease of Understanding and Naturalness in Parkinson’s Disease: A Phase 1a Study
M. Hirsch, D. Dragicevic, D. Toglia, C. Stepp	Stop Releases during Atypical Bilabial Stop Productions in Parkinson’s disease: An Articulatory Kinematic Approach
H. Rowe, A. Meier	First Report of Acquired Stuttering Following Androgen-Deprivation Therapy: Clinical, Psychosocial, and Neuroimaging Findings from a Single Case

Y. Zhang, R. Behroozmand	Effects of Attentional Instructions on Vocal Auditory Feedback Control in Post-Stroke Aphasia
S. Honda, L. Max, A. Daliri	Delayed Auditory Feedback Differentially Influences Speech Production Variability in Stuttering and Typically Fluent Adults
H. Cheng, T. Murphy, B. Parrell, C. Niziolek	Production variability but not sensory acuity predicts speech sensorimotor adaptation
K. Allison, E. Heller Murray, K. Radville, A. Rutherford, A. Martens, A. Hong, N. Peterman, E. Zimmerman	Development of speech timing control in the second year of life
E. Wang, E. DiStefano-Forti, M. Grigos	First Time's the Charm: Lexical Stress Productions by Children with CAS
M. Ghasemi, Y. Ahmed, A. Coy, D. Mehta, J. Whitfield	Effects of speaking task and style on Articulatory–Acoustic Vowel Space (AAVS) estimation in Parkinson disease
H. Shin, A. Haenssler, Z. Scheier, J-P. Onnela, K. Burke, J. Berry, J. Green, K. Connaghan	From Clinician Ratings to Daily Life: Dysarthria and Communicative Participation in ALS
S. Frankford, A. Aaron, K. Siedman, C. Stepp	Factors Impacting the Reliability of Sensorimotor Adaptation of Voice Fundamental Frequency
T. Murphy, B. Parrell, C. Niziolek	Retention of Sensorimotor Adaptation to a Nonuniform Feedback Perturbation Field: A Preliminary Report
R. Hoyer, G. Welling, T. Maliakal, K. Bopoarai, S. Frankford	The Relationship Between Perception and Production of Speech Timing in Young Healthy Adults
S. Bruneaux, C. Spencer	Comparing early vs late learners of /ɹ/
L. Bislick (Wilson), S. Eaton	Motor Imagery for Treatment Enhancement and Efficacy in Apraxia of Speech: Preliminary Findings
E. Tesch, A. Daliri, J. Liss	Auditory feedback relevance and error memory shape adaptive speech motor responses
T. Schnoor, B. Tucker, B. Story	A web interface for tube acoustic speech simulation
R. Karlin	Speakers do not learn word-specific auditory-motor delays in speech
D. Crasta, M. Kuruvilla-Dugdale	The Limits of Anchoring Perceptual Judgments in Dysarthria Assessment
A. Jacks, S. Kim, M. Rodriguez, L. Johnson, C. Daughtridge, M. Hirsch, K. Haley	Voice Onset Time in Left-Hemisphere Stroke Survivors
C. Geissler, J. Nellakra	Critically-damped oscillators and General Tau Theory exhibit similar error across speakers with different vocal tract dimensions
K. Brent, J. Gaines, R. Rangwala, A. Pongos, S. Gupta, V. Ramanarayanan, B. Parrell, J. Houde, S. Nagarajan	Atypical Vocal Responses to Pitch Feedback Perturbations in Laryngeal Dystonia
I. Nip, S. Coleman, L. Blumenfeld, P. Weissbrod	Impact of Radiation Therapy and Tumor Burden on Speech Movements in Patients with Oropharyngeal Cancer
H. Wang, J. Herron, G. Cler, A. Ko, L. Max	Speech Auditory–Motor Adaptation and Syllable Sequence Learning Are Differentially Affected in Parkinson's Disease and Essential Tremor but Independent of Deep Brain Stimulation
J. Li, L. Max	In search of the factors that limit formant-shift adaptation: studies of feedback frequency response and task instructions

Y. Zeng, B. Parrell, C. Niziolek	Sensorimotor adaptation can improve both production and perception of a non-native vowel contrast
M. Littlejohn, E. Heller Murray, L. Dumenci, E. Maas	Validity of transitional and variability acoustic measures in childhood apraxia of speech
K. Reilly	Modelling speech rate in healthy speakers and speakers with Parkinson's disease
H. Terband, B. Bhat, B. Johnson, E. Ward, T. Munasinghe, E. Mueller	Vowel production in children with Speech Sound Disorders: Intrinsic fundamental frequency and acoustic correlates of articulation of corner vowels in American English
M. van Tellingen, H. Terband, J. Hurkmans, B. Maassen, R. Jonkers	Working mechanisms of music in the treatment of childhood apraxia of speech: using music to cue gestural timing.

4:00 PM MSC Session 7: Behavioral bases of Sensorimotor Integration

- Speech motor control and learning in young children who do and do not stutter
 - V. Tumanova, S. Fiorante
- Assessing ecologically valid measures of auditory feedback control in older adults with and without Parkinson's disease
 - N. Tomassi, H. Weerathunge, C. Dunsmuir, J. Bohland, F. Guenther, E. Stephen, C. Stepp
- Observation Alone Does Not Drive Speech Adaptation: Supporting a Role for Motor Planning
 - B. Parrell, M. Bae, C. Naber, O. Ki, C. Niziolek, S. McDougle

5:00 PM MSC Session 8: Computational Models of Speech Production

- Estimating uncertainty in subject-specific parameters: Physiologically constrained bootstrapping for sensorimotor adaptation experiments
 - N. Quinteros, J. Parra, L. Severino, J. Cortes, G. Alzamendi, C. Stepp, F. Guenther, M. Zanartu
- Disentangling cerebellar computational mechanisms for speech compensation using simulation based inference
 - A. Pongos, K. Kim, B. Parrell, V. Ramanarayanan, J. Gaines, S. Nagarajan, J. Houde

5:40 PM Adjourn for the day

SATURDAY, FEBRUARY 28, 2026

8:00 AM MSC Session 9: Objective measures of pediatric motor speech disorders

- Speech timing and rhythm differences between Parkinson's disease phenotypes
 - J. Vojtech, K. Smith, C. Stepp
- Measuring Formants in Children with Variable Voices
 - E. Heller Murray, K. Allison, B. Story
- Longitudinal differences in speaking rate and speech efficiency in children with cerebral palsy and their neurotypical age-mates
 - T. Mahr, J. Soriano, K. Hustad

9:00 AM MSC Poster Session 3

M. Masapollo, A. Stewart, A. Ludwig, F. Dotsenko, S. Nittrouer	Inter-articulator speech motor timing and coordination
A. Page, C. Mancinelli, J. Theurer, M. Jog, S. Adams	Exploring the stability of self-rated communicative effectiveness among individuals with hypophonia and Parkinson's disease
S. Adams, L. Wang, D. Cushnie-Sparrow, M. Jog, V. Parsa	A speech-to-noise feedback device for individuals with hypophonia and Parkinson's disease

J. Lee, N. Viswanathan, A. Olmstead, J. Chen, E. Krajewski, L. Ghayedlou	Task-specific vowel acoustic changes in individuals with dysarthria secondary to amyotrophic lateral sclerosis
J. Vuolo, C. Evans	Voice Onset Time Accuracy and Variability in CAS, DLD, SSD, and TD
N. Cline, J. Huber, K. Richardson, K. Stipancic, K. Tjaden	Speech task and severity effects on acoustic measures in hypokinetic dysarthria
B. Myers, R. deJesus	Long-term benefits of SPEAK OUT! therapy on dysarthria secondary to Parkinson's disease
L. Williams, M. Pourmohammadi, M. Ghasemi, J. Whitfield	Perceptual Changes in Clear Speech Across a Passage in Parkinson Disease: Acoustic Correlates and Talker Variability
E. Wong, A. Karamete, A. Noyan Erbaş	Review of Assessment and Diagnostic Standards of Childhood Apraxia of Speech in Turkish-Speaking Children
K. Haley, S. Kim, C. Daughtridge, L. Johnson, M. Rodriguez, M. Hirsch, A. Jacks	How often are apraxia of speech and dysarthria diagnosed after left hemisphere stroke?
E. Wang, K. Hustad	Content, modifiers, and functors, oh my! How linguistic classes impact intelligibility of habitual and slow speech in children with cerebral palsy
S. Hayes, J. Munday, K. Hustad	How do Viking Speech Scale levels relate to speech intelligibility scores?
J. Wang, C. Barnett Tapia, Y. Yunusova	Speech language pathology services for management of bulbar symptoms in myasthenia gravis: A scoping review
A. White, J. Munday, K. Hustad	Mapping Subjective Speech Severity Ratings to Objective Speech Measures in Adolescents with Cerebral Palsy
D. Ng, E. Wong	Assessment and management of multilingual children with Childhood Apraxia of Speech: A scoping review
Y. Chang	Gamified intervention for children with cerebral palsy: Integrating speech and upper extremity motor therapies
K. Connaghan, K. Burke, M. Demello, S. Mandepudi, K. Furney, H. Shin, N. Barnett, B. Richburg, K. Carney, J-P Onnela, G. Usmanov, A. Dhand, J. Berry, J. Green	Exploring Links Between Motor Speech Impairment and Social Connectedness in ALS
D. Ng, J. Wu, P. McCabe	Speech characteristics of multilingual children with CAS: Clinical and cross-linguistic considerations
B. Bhat, E. Mueller, T. Munasinghe, H. Terband	The role of somatosensory perception in speech sound production in children with CAS
M. Tellingén, J. Hurkmans, A.M. van de Zande, H. Terband, B. Maassen, R. Jonkers	Speech-Music Therapy in the treatment of childhood apraxia of speech: a multiple single-subject treatment study.
A. Hilger, C. Cloud, K. Dunne-Platero	Improving Diagnostic Agreement in Dysarthria: Evidence from the Colorado Motor Speech Framework
D. Knežević, E. Wang, E. Wong	Childhood Apraxia of Speech Worldwide: A Cross-Linguistic Review and Global Survey
J. Preston, E. Hitchcock, N. Benway, M. Leece, T. McAllister	Rhotic Generalization is More Rapid in Biofeedback than Motor-Based Treatment for Residual Speech Sound Disorder: Secondary Outcomes of a Randomized Controlled Trial
S. James, J. Huber, M. Redford	Predicting Inhalations at Pauses in Speech Produced by Older Adults with and without Parkinson's Disease
J. Anderson, R. Utianski, K. Grammatica, A. Brandimore, J. Gaziano	Candidacy, Recommendation, and Pursuit of SpeechVive in Patients in Neurodegenerative Diseases
S. Cook, E. Heller Murray, E. Maas	Defining Frustration in Intensive Speech Therapy for Childhood Apraxia of Speech: A Qualitative Approach

Y-F. Chiu, J. Longhurst, A. Fletcher, T. Loux	Dual task effect on speech pausing in Parkinson's Disease
C. Anderson, M. Clayards, D. Shiller	Optimizing Visual Acoustic Biofeedback: Effects of Feedback Frequency on Speech Motor Learning and Retention
T. Munasinghe, B. Bhat, H. Terband	Lexical stress contrast and variability in children with speech sound disorders
D. Crasta, M. Linneweh, D. Cukierkorn, E. Kutlu, M. Kuruvilla-Dugdale	Linguistic Diversity in Dysarthria Assessment: Comparing Perceptions of Native and Non-Native English Listeners

11:00 AM MSC Session 10: Objective measures of progressive motor speech disorders

- Articulator- and Direction-Specific Amplitude Distribution Characteristics of Talkers with Dysarthria due to Various Disease Types
 - C. Raines, J. Lee, K. Tjaden, R. Callen, A. Mefferd
- Leveraging Multimodal Data for Estimating Severity of Bulbar ALS
 - V. Akundi, E. Sejdic, Y. Yunusova
- Towards a Data-Driven Motor Speech Evaluation: Acoustic Predictors of Intelligibility in Pediatric Acquired Brain Injury (ABI)
 - A. Mancini, A. Hilger
- Translation of craniofacial surface electromyography into a clinically applicable objective assessment tool for bulbar involvement in amyotrophic lateral sclerosis
 - P. Rong, L. Heidrick, G. Pattee

12:20 PM: Conference Ends