

WEDNESDAY, FEBRUARY 21, 2024

Signal Analytics Workshop

7:00 AM – Continental Breakfast

8:00 AM SAMS Session 1

- RealTongue: Realtime motion-compensated ultrasound articulatory biofeedback
 - W. Chen, M Tiede, D.H. Whalen
- Speaking-induced Middle Ear Muscle Reflex (MEMR): suppression of auditory feedback during self-vocalization
 - H. Terband, C. Cross, S. Goodman
- The Missing Dimension: Lateral Articulatory Movements in Alaryngeal Speech
 - N. Ghosh, J. Kwon, K. Teplansky, R. Samlan, T. Mau, J. Wang

9:00 AM Keynote Speaker: Dr. Emily Provost

- From Speech to Emotion to Mood: Mental Health Modeling in Real-World Environments

10:30 AM Break

10:45 AM SAMS Session 2

- A multiplex functional jaw muscle network to assess speech impairment in ALS
 - P. Rong
- Analytical Validation of Facial Metrics in Amyotrophic Lateral Sclerosis (ALS) Extracted Using a Multimodal Remote Patient Monitoring Platform
 - C. Zhang, O. Roesler, J. Liscombe, R. Bajjuri, H. Kothare, V. Ramanarayanan
- Analytical validation of Canonical Timing Alignment (CTA) and other timing-related speech biomarkers in Amyotrophic Lateral Sclerosis (ALS) extracted automatically using a remote patient monitoring platform
 - J. Liscombe, R. Bajjuri, H. Kothare, V. Ramanarayanan

11:45-1:15 PM SAMS Poster Session

B. Story, K. Bunton	Identification of consonants produced by acoustically driven vocal tract modulations for male and female vocal tracts
N. Benway, J. Preston, A. Salekin, T. McAllister	Feature Selection for Mispronunciation Detection in Child Speech Sound Disorders Impacting /ɹ/
N. Benway, J. Preston	Prospective Clinical Single Case Experimental Design Validating Speech Sound Motor Learning Treatment Driven by a Mispronunciation Detection Algorithm
S. Kinahan	Comparative analysis of speech motor planning in adults who stutter using EEG-SVM
T. Knowles, J. Berry, M. Philippone	Viability of automatic forced alignment for segmentation of dysarthric speech
M. Ghasemi, A. Fullenkamp, J. Whitfield	Methodological Factors Associated with Measuring Clear and Loud Speech Responses
A. Portnova, A. Fletcher, S. Borrie, A. Wisler	The Effect of Tracking Errors in Fundamental Frequency Analysis of Speakers with Hypokinetic Dysarthria
P. Kadambi, L. Annear, T. Mahr, J. Liss, K. Hustad, V. Berisha	Speaker Adaptive Wav2Vec2 for Forced Alignment: Applications to Child Speech
B. Yawer, V. Berisha, J. Liss	The Fallacy of AI Functionality in Clinical Speech Analysis
A. Wisler, J. Vuolo	Considering Robustness in Assessments of Spatiotemporal Stability
W. Chen, M. Tiede, D.H. Whalen	Simulating articulatory perturbations with motion-compensated ultrasound and a neural-network-based forward mapping model
J. Choi, B. Vente, D. Chang, M. Kotsakis, K. Hwang, E. Levy	The Potential of Automatic Speech Recognition in Speech Intelligibility Assessment for Children with Dysarthria
T. Thies, L. Schwed, J. Troger, E. Baykara, M. Barbe, D. Muecke	Automatic analysis of levodopa-related changes in speech of Parkinson's disease

S. Shellikeri, S. Cho, S. Ash, C. Gonzalez-Recobar, G. Agmon, C. McMillan, L. Elman, C. Quinn, D. Amado, M. Baer, D. Irwin, L. Massimo, C. Olm, M. Liberman, N. Nevler	Automated vowel measures of spontaneous speech are reliable markers of bulbar motor impairments in ALS
D. McDevitt, M. Speights	Isolating Child Speech using Convolutional Neural Networks
N. Sukhdev, O. Roesler, M. Neumann, S. Desai, I. Shoulson, V. Ramanarayanan	Multimodal Dialog Based Remote Assessment of Balance in Parkinson's Disease and Other Movement Disorders
Y. Luan, C. Seals, M. Speights	A Transformer-Based Audio Model for the Classification of Children's Disorder or Non-Disorder Speech Using Continuous Speech Samples
C. Naber, R. Karlin, B. Parrell, C. Niziolek	Improving boundary detection and expanding perturbation capabilities in Audapter
A. Hosamath, L. Arbatti, H. Kothare, S. Desai, I. Shoulson, V. Ramanarayanan	Computational linguistics analysis of cognition-related problems reported by Parkinson's Disease patients
K. Reilly, J. Elrod, B. Lau, D. Casenhiser, K. Krishnan	Machine learning analyses of ultrasonic vocalizations during pup retrieval in a mouse model of Rett syndrome.

1:15 - 2:15 PM Lunch and MSC Registration

2:15 Welcome

2:30 PM MSC Session 1: Speech Adaptation

- Sensory errors drive speech adaptation even in the absence of overt movement
 - B. Parrell, C. Naber, O. Kim, C. Niziolek, S. McDougale
- Effects of Cognitive Load and Autonomic Arousal on the Adaptation of Speech in Individuals with Typical Speech
 - N. Tomassi, D. Turashvili, A. Williams, C. Stepp
- Evidence of Cortical Processing of Laryngeal Somatosensory Input to the Vocal Sensorimotor System
 - M. Hammer, C. Laue, E. Huff, O. Korzyukov

3:30 PM Break

3:40 PM MSC Session 2: Auditory and Somatosensory Perturbation

- A Mega-Analysis of the Distribution of Responses to Auditory Perturbation Experiments
 - H. Miller, E. Kearney, A. Nieto-Castañón, F. Guenther
- Kinematic and acoustic contributors to formant perturbation responses in individuals with and without Parkinson's disease
 - T. Rebernik, T. Tienkamp, S. Chaboksavar, N. Hoekzema, V. Ciot, A. Gleichman, K. Polsterer, R. Jonkers, A. Noiray, M. Wieling, D. Abur
- Responses to gradual auditory perturbations of vowel formant across age
 - K. Polsterer, T. Rebernik, T. Tienkamp, H. Sekeres, M. Wieling, D. Abur
- Bayesian inference of state feedback control parameters reveals control differences in fo perturbation responses in cerebellar ataxia
 - J. Gaines, K. Kim, A. Pongos, B. Parrell, V. Ramanarayanan, S. Nagarajan, J. Houde

5:00 – 7:00 PM MSC Poster Session 1; 6:00 – 8:00 Reception (Banyan Court and Lawn)

J. Delgado Hernandez, G. Moya-Gale	Cepstral and Perceptual Changes Following Intensive Voice-Focused Treatment in Parkinson's Disease
A. Aaron, M. Díaz Cádiz, S. Cocroft, K. Volk, C. Stepp	Individual variation in Lombard responses for speakers with typical voices
C. Wynn, T. Barrett, S. Borrie	Conversational Speech is Context Dependent
S. Yoho Leopold, E. Healy, T. Barrett, S. Borrie	A time-frequency mask approach to improve understanding of dysarthric speech in noise for listeners with hearing loss

G. Meade, J. Duffy, H. Clark, J. Stierwalt, J. Whitwell, K. Josephs, R. Utianski	Reduced Words Per Breath Group as a Marker of Progressive Apraxia of Speech
S. Keller, E. Maas	Beyond impairment: Self-reported communication attitudes of children with childhood apraxia of speech (CAS)
E. Wang, M. Grigos	How children with CAS perceive and produce lexical stress
J. Settle, L. Factor, L. Goffman	Relationships between performance on a sign language production task and motor skill in children with developmental language disorder
M. Littlejohn, E. Maas, S. Caspari, M. Beiting, C. Gildersleeve-Neumann, R. Stoeckel	Reliability and convergent validity of expert clinical opinion in the diagnosis of childhood apraxia of speech
Y. Kim, E.J. Lee, L. Lin	Dysarthria in culturally and linguistically diverse populations: Surveys from speech-language pathologists, persons with dysarthria, and caregivers
T. Pommée, L. Bouvier, L. Simmatis, M. Maffei, S. Gutz, Z. Fless, K. Seaver, A. Abrahao, J. Berry, L. Zinman, J. Green, Y. Yunusova	Construct Validity and Responsiveness of the Amyotrophic Lateral Sclerosis Bulbar Dysfunction Index-Remote (ALSBDI-R)
T. Mahr, K. Hustad	Speaking Rate and Intelligibility in Children's Speech
A. Thompson, Y. Kim	Acoustic and articulatory strategies for enhancing speech clarity in Parkinson's disease
L. Eijk, S. Stankova, S. Meekings	Investigating different measures of local rhythmic conversational alignment in typical speakers and speakers who stutter
B. Story, A. Stark, A. Sharma, J. Van Le, R. Hadley, G. Adluru, R. Wiggins, E. DiBella, J. Barkmeier-Kraemer	The effect of vocal tract tremor on resonance frequencies
G. Cler, J. Gallée, A. Johnson, B. Jacobson	Laryngeal motor coordination in adults with DLD
A. Leone-Thide, M. Cuervo Cano, A. Buchwald	Investigating speech motor learning within nasal production in novel consonant clusters
Z. Kriegel, A. Fullenkamp, J. Whitfield	Effect of Priming on Speech Motor Control in the Stroop Task
K. Haley, M.L. Mailend, A. Jacks	Diagnosing apraxia of speech without a gold standard
H. Jones, J. Wright, P. Kishnani, A. Neel	Speech and Swallowing Impairments in Adults with Late-onset Pompe Disease
K. Reilly	Actor-Critic model of basal ganglia control of speech intensity

THURSDAY, FEBRUARY 22, 2024

Motor Speech Conference

7:00 AM – Continental Breakfast

8:00 AM: SPECIAL ANNOUNCEMENTS

8:20 MSC Session 3

Interface Between Speech-Language and Remote Assessment

- Motor control in adults with developmental language disorder
 - G. Cler, A. Bullen, L. Beasley
- Effects of Linguistic Communication Strategies for Speakers with Dysarthria
 - A. Fletcher, A. Wisler, B. Nalley, S. Budge, S. Borrie
- Investigating the Reliability of Perceptual Measures for Teleassessments of Dysarthric Speech
 - K. Tran, L. Xu, R. Utianski, V. Berisha, J. Liss

9:20 AM Break

9:30 – 11:00 AM: MSC Poster Session 2

S. Adams, C. Johnson, J. Theurer, A. Page, M. Jog	Speech Loudness Matching in Individuals with Parkinson's Disease and Hypophonia
L. Bouvier, M. Parsa, A. Genge, N. Dupre, A. Dionne, S. Kalra, Y. Yunusova	Multiclass Classification of Speech Timing Features in Canadian French Speakers with Amyotrophic Lateral Sclerosis
G. Cler, C. Tuguinay, S. Sokolov, A. Bullen	Acoustic factors predicting listener perception of stuttering
C. Demopoulos, L. Lampinen, C. Preciado, H. Kothare, V. Ramanarayanan	Objective and Subjective Assessment of Facial and Vocal Affect Production in Autistic and Neurotypical Children and Adolescents
S. Frankford, A. Estrada, C. Stepp	Contributions of speech timing and articulatory precision to listener perceptions of intelligibility and naturalness in Parkinson's disease.
M. Hammer, E. Huff, C. Laue, M. Ciancio	Evidence of a Dynamic Interaction Between Auditory and Laryngeal Somatosensation in the Vocal Sensorimotor System
M. Hirsch, S. Borrie, Y. Kim, T. Barrett, K. Lansford	Listening Effort During Dysarthric Speech Perception
M. Kapsner-Smith, T. Eadie, C. Stepp	Auditory Feedback Perturbation of Vocal Parameters Does Not Elicit a Laryngeal Stabilization Response
S. Keller, H. Valentine, M. Grigos	How Did You Learn About Childhood Apraxia of Speech? Experiences of Speech-Language Pathologists
D. Knežević	Maximum repetition rate in children with Childhood Apraxia of Speech
M. Kuruvilla-Dugdale, K. Stipancic, M. Golzy, Y. Zhao, A. Rohl, D. Crasta, T. Munasinghe Arachchige	Improving perceptual speech ratings: The effects of auditory training on judgments of dysarthric speech
R. Lester-Smith, N. Ghosh, E. Eidson, C. Larson, E. Derrick	Auditory-Motor Control of Fundamental Frequency in Essential Vocal Tremor
A. Lowit, P. Ashworth, M. Hadjivassiliou	ClearSpeechTogether: A Qualitative Process Evaluation Framework Examining the Implementation of Speech Intervention for Individuals with Progressive Ataxia.
M. Mailend, A. Jacks, K. Haley	Refined operational definitions for the Apraxia of Speech Rating Scale (ASRS-3.5)
S. Meekings, L. Eijk, S. Stankova	Conflicting evidence for a motor timing theory of stuttering: choral speech changes the rhythm of both neurotypical and stuttering talkers, but in opposite directions.
M. Pourmohammadi, J. Whitfield, A. Fullenkamp	Cognitive Load and Visuomotor Tracking Influence Speech Production
P. Rong, E. Liston	A temporal modulation approach for detecting speech impairment and evaluating intervention-related changes in speakers with amyotrophic lateral sclerosis
A. Slis, B. Parrell	Cerebellar degeneration impairs adaption to pitch perturbations in both sustained vocalization and spoken words
D. Tang, C. Niziolek, B. Parrell	Theta-burst rTMS over the articulatory representation of primary somatosensory cortex modulates tactile perception of the tongue
T. Tienkamp, T. Rebernik, B. Halpern, R. van Son, M. Wieling, M.J.H. Witjes, S. de Visscher, D. Abur	Associations between acoustic, kinematic, self-reported and perceptual based measures of speech in individuals surgically treated for oral cancer
A. Wisler, A. Fletcher, A. Mefferd	Does the Spatiotemporal Index Overestimate the Instability of Slow Speech?
Y. Zeng, C. Niziolek, B. Parrell	Differential adaptation to altered auditory feedback shows planning at both word and syllable levels in speech production

11:00 AM MSC Keynote 1

- Motor and sensory contributions to language in autism spectrum disorder
 - Dr. Helen Tager-Flusberg

12:30 Adjourn for the day. Afternoon free.

FRIDAY, FEBRUARY 23, 2024

7:00 AM – Continental Breakfast**8:00 AM: MSC Session 4: AOS and Speech Motor Learning**

- How do auditory models affect novel sound sequence learning?
 - H.S. Cheng, A. Buchwald
- Investigating subcortical activation during speech sensorimotor control and learning via extraoperative recordings of local field potentials
 - H. Wang, J. Herron, G. Cler, A. Ko, L. Max
- Is word syllable duration in discourse useful for diagnosing apraxia of speech after left hemisphere stroke?
 - S. Kim, A. Jacks, K. Haley
- Effects of Intensity on Outcomes of Treatment for Acquired Apraxia of Speech
 - J. Wambaugh, S. Mauszycki, D. Salomon

9:20 AM Break

9:30 – 11:00 AM: MSC Poster Session 3

K. Gates, T. Knowles, H. Mach, J. Higginbotham	Clinical insights into speech amplification device usage for Parkinson's disease: A mixed-methods approach
H. Terband, A. Van Doornik	Task effects and phonological error patterns in Australian English-Dutch bilingual children
C. Dromey, L. Clarke	Speech context effects on articulatory kinematics in typical and clear speech
T. Barrett, K. Stipancic, S. Borrie	Automated scoring of the Speech Intelligibility Test using Autoscore
M. Kapsner-Smith, W. Vestal, T. Eadie, C. Stepp	Volitional Control of Fundamental Frequency and Intensity in People With and Without Hyperfunctional Voice Disorders
E. Wong, M. Wong, S. Velleman, L. Wong	Token-to-token tone consistency of children with childhood apraxia of speech on tone sequencing task
C. Raines, A. Mefferd	Disease-Specific Movement Characteristics of the Tongue and Jaw
J. Körner Gustafsson, E. Schalling	Perceptions of communicative function following a group intervention for speech and communication in PD
M. Murali, J. Cleland, D. Young, J. Stuart-Smith, L. Taylor, A. Smith, A. Kuschmann	Comparing DDK rate variability in typically developing children in central Scotland
J. Soriano, T. Mahr, K. Hustad	Characterizing listener fatigue when listening to speech of children with cerebral palsy
S. Budge, C. Baylor, T. Barrett, S. Borrie	A conversation-specific tool for measuring communicative participation in people with Parkinson's disease.
H. Rowe, S. Frankford, J. Tourville, A. Nieto-Castanon, F. Guenther	The Relationship between Disfluency Types and Resting State Functional Connectivity in the Feedback and Feedforward Control Networks
M. Cuervo Cano, H. Cheng, A. Buchwald	Producing Novel Consonant Clusters Improves Their Perception
M. Kuruvilla-Dugdale, K. Stipancic, B. Whelan, Y. Zhao, A. Rohl, T. Munasinghe, D. Crasta, L. Schmitt	Rating Dysarthric Speech Features: Validity and Reliability of Interval and Ratio Scales
A. Lowit, K. Xing, M. Hadjivassiliou	ClearSpeechTogether versus standard SLT: a pilot randomised controlled trial for people with MSA-C

M. Hirsch, A. Thompson, Y. Kim	The Effects of EMA Sensors on Speech in Individuals with and without Dysarthria
N. Tomassi, A. Aaron, N. Rajasubramanian, A. Bergman, C. Stepp	Effects of cognitive load and autonomic arousal on voice production in adults with typical speech
D. Thomas, G. Bricker-Katz, E. Murray, S. Velleman, J. Iuzzini-Seigel	Clinician and caregiver perspectives on a community based DTTC treatment trial: Exploring barriers to implementation of high-fidelity treatment.
L. Hanley, K. Ballard, A. Purcell	Applying principles of motor learning to speech intervention for children with cleft palate
J.J. Li, A. Daliri, K. Kim, L. Max	Does pre-speech auditory modulation reflect processes involved in feedforward movement planning?
D. Mancini, A. Hilger	Motor speech profiles in pediatric acquired brain injury
Y. Zeng, B. Parrell, C. Niziolek	Transfer of sensorimotor adaptation reveals close integration between segmental and prosodic structure in speech motor planning

11:00 AM MSC Keynote 2

- The Contribution of Sensory Plasticity to Human Motor Learning
 - Dr. David Ostry

12:30 – 2:00 PM Lunch

2:00 – 3:30 MSC Poster Session 4

C. Dromey, A. Jackson, N. Lewis	Articulatory kinematic effects of different rate cueing techniques
K. Dahl, M. Balz, C. Stepp	Quantity of speech presented to listeners affects estimates of the intelligibility of people with Parkinson's disease
J. Zhang, P. McCabe, V. Park	Stuttering in Childhood Apraxia of Speech
K. Spencer, H. Bouchard, K. Lansford	Examination of Perceptual Subgroups of Ataxic Dysarthria through Auditory Free Classification
K. Gates, A. Mefferd, K. Stipancic	Comparison of Reliability Measures: Calculating the Minimally Detectable Change of Speech Intelligibility
M. Wong, E. Wong, Eddy S. Chen, Y. Lin	Degraded pitch-variation skills in Cantonese speakers with apraxia of speech post-stroke: Preliminary evidence
S. Hayes, K. Hustad	Examining the longitudinal relationship between speech motor and gross motor severity between 4 and 14 years in children with cerebral palsy
Y. Chiu, J. Longhurst	Dual task effect on oral diadochokinesis and gait in Parkinson's disease
S. Vaghela, G. Napper, S. Narayana	A Neuroimaging Meta-Analysis Reveals Abnormalities in the Speech-Motor Network in Parkinson's Disease-Associated Hypokinetic Dysarthria: Insights into Treatment-Induced Changes
A. Kuschmann, M. Murali, J. Cleland, D. Young, J. Stuart-Smith, L. Taylor, A. Smith	Variability in sound prolongation in typically developing children
J. Manes, J. Tourville, E. Kearney, A. Nieto-Castañón, F. Guenther	Somatosensory feedback control of voice and articulation in Parkinson's disease.
T. Thies, A. Mefferd	Interarticulatory timing patterns across talkers with various neurological conditions
A. Huynh, L. Cranley, C. Barnett-Tapia, L. Zinman, Y. Yunusova	Identifying decisional needs of patients and healthcare professionals for the management of bulbar symptoms in amyotrophic lateral sclerosis
E. Maas, S. Cook, R. Alper, S. Caspari	How frustrating! Child frustration in intensive treatment for childhood apraxia of speech (CAS)
N. Rakotomalala, P. Perrier, P. Baraduc	Phoneme or syllable: Evaluation of their role in speech motor planning using Optimal Control framework

J.J. Li, T. McAllister, D. Shiller, X. Tian, M. Grigos	Predictors of L2 vowel production accuracy for new and similar L2 vowels
K. Kim, J. Gaines, B. Parrell, V. Ramanarayanan, S. Nagarajan, J. Houde	Sensorimotor adaptation in a hierarchical state feedback control model of speech
A. Neel, J. Richardson, R. Arenas, J. Uffer, E. Coho, T. Smith, A. Adams, C. Bernick	Motor Speech and Cognitive-Linguistic Performance Associated with Repetitive Head Injury in Professional Fighters
C. Baylor, J. Jin, A. Smith	Assessing environmental barriers and supports to communicative participation for adults with Parkinson's disease
R. Karlin	Perception of speech timing recruits cerebellar and non-cerebellar neural circuits
C. Kosiog, J. Brumberg	Listeners' perception of 3 English vowels produced using continuous-motor BCI output through imagined limb movements

3:30 PM MSC Session 5: Cerebral Palsy

- A multi-measure approach to detect vocal biomarkers for later speech motor involvement in children with cerebral palsy
 - H. Long, K. Hustad
- Speech Motor Control Changes Associated with Slow Speech in Children with Cerebral Palsy
 - I. Nip
- Effect of Speech Modification Strategies on Vowel Acoustics and Articulatory Kinematics for Adolescents with Cerebral Palsy (CP)
 - K. Allison, J. Klag, M. Camelio

4:30 Break

4:40 PM MSC Session 6: Childhood Apraxia of Speech

- Introducing a new early intervention program for toddlers at risk of CAS: The Speech Motor Learning for Toddlers (SMoLT) program.
 - L. Nelson, C. Highman, D. Thomas, S. Leitaio
- ASSIST speech therapy for childhood apraxia of speech (CAS): Effects on speech accuracy
 - E. Maas, S. Caspari, M. Beiting, C. Gildersleeve-Neumann, T. Niculae-Caxi, R. Stoeckel, J. Wu
- A Training Protocol for Administering Research-Reliable Dynamic Temporal and Tactile Cueing in Children with CAS
 - J. Case, M. Grigos, S. Velleman, D. Thomas, E. Murray, J. Iuzzini-Seigel

5:40 PM Adjourn for the day

SATURDAY, FEBRUARY 24, 2024

7:00 AM – Continental Breakfast

8:00 AM MSC Session 7: Perspectives on Prosody

- Controlling pitch for prosody: Sensorimotor adaptation in linguistically meaningful contexts
 - K. Dahl, M. Diaz Cadiz, J. Zuk, F. Guenther, C. Stepp
- How does prosodic complexity impact speech movement variability in adults who stutter?
 - H. Kopera, M. Grigos
- Validity of acoustic measures of prosody in childhood apraxia of speech
 - M. Littlejohn, E. Maas

9:00 AM Break

9:10 AM MSC Session 8: Intelligibility

- Clinically important change in speech intelligibility from different perspectives: A pilot study
 - K. Stipancic, F. van Brenk, M. Qiu, K. Tjaden
- Acoustic and kinematic predictors of intelligibility and articulatory precision in Parkinson's disease
 - A. Thompson, Y. Kim

- Cross-linguistic study of articulation rate, dysarthria severity, and intelligibility in children with dysarthria
 - Y. Chang, P. Jeong, K. Hwang, J. Kim, B. Ihn, E. Ryu, M. McAuliffe, H. Sim, E. Levy

10:10 – 11:40 AM MSC Poster Session 5

H. Clark, B. Baas, T. Brown, T. Hansen, E. Strand	Intensive Dynamic Temporal and Tactile Cueing Treatment for Childhood Apraxia of Speech
H. Valentine, S. Keller, M. Grigos	The Gap Persists: Clinical Misconceptions on Early Identification and Intervention for Childhood Apraxia of Speech
H. Steurer, F. Albrecht, A. Razi, J. Körner Gustafsson, E. Franzén, E. Schalling	Effects on acoustic measures of speech and effective connectivity after HiCommunication: a novel speech and communication treatment for Parkinson's disease
K. Lansford, M. Hirsch, T. Barrett, S. Borrie	Cognitive and auditory predictors of dysarthric speech understanding in older adult listeners
M. Maffei, K. Chenausky, H. Tager-Flusberg, J. Green	Toward a Speech Motor Control Phenotype in Autism Spectrum Disorder
M. Littlejohn, E. Maas	Speech planning in children with and without speech sound disorders
K. Sarmukadam, R. Behroozmand	Functional Neural Connectivity Deficits Associated with Impaired Speech Auditory Feedback Processing in Post-Stroke Aphasia: An fMRI Study
E. Heller Murray, G. Harvey Woodnorth, A. Hseu, R. Nuss, K. Hier, A. Nobel	Variability of Vowel Formants in Children with Voice Disorders
T. Eadie, C. Sauder, M. Kapsner-Smith, K. Marks, JP. Giliberto, C. Stepp	Minimally Detectable Change of Experienced Listeners' Judgments of Overall Severity of Dysphonia in Speakers with Adductor Laryngeal Dysphonia
K. Kreidler	Linguistic and articulatory aspects of lexical stress in children with developmental language disorder
R. Karlin, C. Naber, B. Parrell	Speakers use auditory feedback to guide the timing of upcoming gestures regardless of syllabic affiliation
J. Berry, Y. Kim	Rate and Rhythm Comparison of Diadochokinesis and Passage Reading
I. Nip, K. Allison, J. Case, J. Iuzzini-Seigel, E. Maas, R. Kent, T. Schölderle, H. Terband, D. Hayden	An e-Delphi Study on the Assessment of Pediatric Motor Speech Disorders
D. Kim, K. Tjaden, K. Stipancic, A. Ding, A. Mefferd	Investigating the variable effects of loud, clear, and slow speech cues on perceptual outcome measures in talkers with Parkinson's disease
M. Darling-White, S. Teso, I. Pena	The impact of intelligibility scoring protocols on therapeutic outcomes for older children with neurodevelopmental disorders
H. Björelus, J. Trang, F. Johansson, G. Tsilingaridis, R. Thorman, H. Terband	Chewing Efficiency in Children with Oral Dysfunctions and Motor Speech Disorders compared to Typically Developing peers
M. Redford, S. Chotechuang	Towards understanding the relationship between inhalation depth and upcoming utterance length
N. Gray, K. Reilly	An Investigation of Speech Acoustics and Intelligibility in Monosyllabic Utterances by Persian-Speaking Adults with Down Syndrome and Healthy Controls
A. Jacks, K. Haley	Orofacial strength in left hemisphere stroke survivors: clinical strength ratings versus instrumental measures
K. Kim, A. Tay, C. Dale, J. Chon, L. Hinkley, P. Tarapore, I. Raharjo, H. Kothare, B. Parrell, R. Ivry, S. Nagarajan, J. Houde	Continuous theta-burst stimulation of the cerebellum impairs adaptation of feedforward control, but not online feedback corrections, in both vocal pitch and vowel formants
A. Page, C. Mancinelli, M. Jog, S. Adams	Exploring the temporal variability of communicative participation in individuals with hypophonia and Parkinson's disease

11:40 AM MSC Session 9: Parkinson's Disease

- Variable speech motor outcomes in patients with Parkinson's disease following implantation of deep brain stimulation: Longitudinal perceptual and acoustic findings
 - K. Stipancic, K. Tjaden, A. Rohl, D. Corcos, C. Patterson, J. Greenlee
- Effects of Dopaminergic Medication on Auditory and Somatosensory Control of Voice and Articulation in Parkinson's disease
 - H. Weerathunge, N. Tomassi, D. Dragicevic, C. Dunsmuir, M. Cushman, T. Feaster, D. Abur, F. Guenther, C. Stepp

12:20 PM: Conference Ends