

PROGRAM



**5th Biennial
Boston
Speech Motor
Control
Symposium**

12–13 June 2025
Boston, MA, USA



Overview of Events

Thursday, June 12th

Registration <i>From 8:00 AM onward</i>
Conference Opening <i>8:30 AM – 8:35 AM</i>
Podium Session 1 <i>8:35 AM – 9:35 AM</i>
<i>Break</i>
Podium Session 2 <i>9:45 AM – 10:45 AM</i>
<i>Break</i>
Trainee Networking Event <i>(more details to come)</i> <i>10:45 AM – 12:25 PM</i>
<i>Lunch</i>
Podium Session 3 <i>2:00 PM – 3:00 PM</i>
Roundtable Discussions <i>3:00 PM – 4:30 PM</i>
Poster Session 1 & Reception <i>4:30 PM – 5:30 PM</i>

Friday, June 13th

Registration <i>From 8:00 AM onward</i>
Conference Opening <i>8:30 AM – 8:35 AM</i>
Podium Session 4 <i>8:35 AM – 10:25 AM</i>
<i>Break</i>
Podium Session 5 <i>10:35 AM – 11:50 AM</i>
<i>Break</i>
Keynote Address: Carol Espy-Wilson <i>12:00 PM – 1:00 PM</i>
<i>Lunch</i>
Podium Session 6 <i>2:30 PM – 4:10 PM</i>
Poster Sessions 2–3 & Reception <i>Session 2: 4:10 PM – 4:55 PM</i> <i>Session 3: 4:55 PM – 5:40 PM</i>
Closing Remarks & Poster Awards <i>until 6 PM</i>

BSMCS Inclusion Policy

The Boston Speech Motor Control Symposium strives to be an inclusive event for all, regardless of race, gender, sexual orientation, or physical ability. If you have any comments or concerns throughout the symposium, please contact us at bsmcs@bu.edu.

Venue & Area Information

BSMCS'25 will be held between the Rajen Kilachand Center for Integrated Life Sciences & Engineering (CILSE) and WBUR's CitySpace venue, both of which are located at the Charles River Campus of Boston University. Both venues are across the street from Boston public transit (MBTA) and situated in close proximity to several parking garages for easy building access. The official addresses of the venues are:

Thursday, June 12th

Rajen Kilachand Center for Integrated Life Sciences & Engineering

610 Commonwealth Avenue, Rm. 101
Boston, MA 02215



Friday, June 13th

WBUR CitySpace

890 Commonwealth Ave
Boston, MA 02215



Thursday, June 12th – Podium Sessions

	Title	Author
Podium Session 1	<i>Measuring speech motor development in late talkers from in-home recordings of naturalistic play sessions</i>	Marc Maffei 8:35 – 8:55 AM
	<i>Differences in the timing of action preparation in people who stutter</i>	Irene Echeverria-Altuna 8:55 – 9:15 AM
	<i>Differential use of auditory input in the control of speech movements by cochlear implant recipients and peers with normal hearing: evidence from tongue-jaw kinematics using electromagnetic articulography</i>	Rosalie Gendron 9:15 – 9:35 AM
Podium Session 2	<i>Effects of Attentional Instructions on Vocal Auditory Feedback Control in Post-Stroke Aphasia</i>	Yilun Zhang 9:45 – 10:05 AM
	<i>Measuring recalibration of auditory feedback delay in speech with a speech synchronization task</i>	Abigail Collier 10:05 – 10:25 AM
	<i>Unpredictable Temporal Auditory Feedback Perturbation Induces Lengthening, Not Compensation</i>	Fengyue Lisa Zhao 10:25 – 10:45 AM
Podium Session 3	<i>Sensorimotor control of pitch and formants in patients with Parkinson's disease and deep brain stimulation</i>	Heather Kabakoff 2:00 PM – 2:20 PM
	<i>HD-tACS Modulates Speech Motor Performance in Parkinson's Disease: Complexity-Dependent Modulation</i>	Fatemeh Tabari 2:20 – 2:40 PM
	<i>Separate basal ganglia neural populations respond to speech and ambient noise</i>	Latane Bullock 2:40 – 3:00 PM

Thursday, June 12th - Poster Session 1

#	Title	Author(s)
1	<i>Self-supervised Optimality-Guided Learning of Speech Articulation</i>	Benjamin Elie, Juraj Simko, Alice Turk
2	<i>The status of tongue shape complexity in predicting speech outcomes for rhotic misarticulation</i>	Heather Kabakoff, Amanda Eads, Jonathan L. Preston, Mark Tiede, D.H. Whalen, Tara McAllister
3	<i>Prosodic modulation of articulatory dynamics in English and Mandarin</i>	Michael C. Stern, Jason A. Shaw
4	<i>Using AI to Detect Articulatory Modulations Under Delayed Auditory Feedback in PPAOS</i>	Fenqi Wang, Hugo Botha, Rene L. Utianski
5	<i>The relationship between higher formants and tongue shapes in American English rhotics</i>	Amanda Eads, Heather Kabakoff, Hannah King, Elaine Hitchcock, Jon Preston, Tara McAllister
6	<i>Sensorimotor adaptation to a nonuniform formant perturbation is preserved in healthy aging</i>	Hung-Shao Cheng, Caroline A. Niziolek, Benjamin Parrell
7	<i>Using AI to Detect Articulatory Modulations Under Delayed Auditory Feedback in PPAOS</i>	Fenqi Wang, Hugo Botha, Rene L. Utianski
8	<i>Convergent evidence for word-level motor plans revealed by differential adaptation to formant perturbations</i>	Yuyu Zeng, Benjamin Parrell, Caroline A. Niziolek
9	<i>Using the Montreal Forced Aligner to automatically segment non-native speech sequences</i>	Maria Cuervo Cano, Hung-Shao Cheng, Maura Philippone, Thea Knowles and Adam Buchwald
10	<i>The Impact of Attention on Speech Motor Control Across the Lifespan</i>	Rita Bishai, Nichole E. Scheerer
11	<i>Neural Mechanisms of Speech Motor Sequence Learning in Adults Who Stutter</i>	Jackie S. Kim, Haochen Wan, Jason A. Tourville, Barbara Holland, Alfonso Nieto-Castañón, Frank H. Guenther

Friday, June 13th – Podium Sessions

	Title	Author
Podium Session 4	<i>Integrating computational techniques with multimodal tools to improve early detection, phenotyping, and personalized care of progressive communication disorders in neurodegenerative diseases</i>	Panying Rong Invited Speaker 8:35 – 9:10 AM
	<i>Auditory input regulates vocal tract constriction dynamics during speech production: an electromagnetic articulography study</i>	Matthew Masapollo 9:10 – 9:30 AM
	<i>Using Speech and Machine Learning to Predict Clinical Diagnosis of Major Depressive Disorder in Patients with Comorbid Anxiety</i>	Rahul Brito 9:30 – 9:50 AM
	<i>Subthalamic-Cortical Networks for Speech Motor Control</i>	Alan Bush Invited Speaker 9:50 – 10:25 AM
Podium Session 5	<i>The Effect of Speech Rate and Clarity on Acoustic Measures of Phonation and Prosody in Parkinson Disease</i>	Sophia Dove 10:35 – 10:55 AM
	<i>The effect of listener feedback on sensorimotor adaptation of articulation and prosody</i>	Kim Dahl Invited Speaker 10:55 – 11:30 AM
	<i>Using phoneme precision scores to estimate the intelligibility of words in young children's speech</i>	Tristan Mahr 11:30 – 11:50 AM
Keynote	<i>Speech Inversion, Articulatory Coordination and Assessing Mental Health</i>	Carol Espy-Wilson 12:00 – 1:00 PM

Podium Session 6	<i>Uncovering the Attentional Demands of Clear Speech in Talkers with and without Parkinson Disease</i>	Jason Whitfield Invited Speaker 2:30 – 3:05 PM
	<i>Behavioral and neural underpinnings of speech audio-motor memory</i>	Nishant Rao 3:05 – 3:25 PM
	<i>Language-Universal and Language-Specific Characteristics of Dysarthria Associated with Parkinson's Disease: Implications for Speech Rehabilitation</i>	Gemma Moya-Galé Invited Speaker 3:25 – 4:10 PM

Friday, June 13th – Poster Session 2

#	Title	Authors
1	<i>Quantifying the effects of delayed auditory feedback using automated speech technologies</i>	Alexander Ocampo, Ali Brooks, Shannon Dunphy, Tess Freed, Vaishak Harish, Caitlin Lassige, Gabriella Milano, Shea Riley, Callie Spry, Jason W. Bohland
2	<i>Comparing gamified and image-based ultrasound biofeedback therapy for speech remediation</i>	Sarah R. Li, Sarah Dugan, Nicholas S. Schoenleb, Max Lushpin, Elizabeth Farmer, Brittany Fletcher, Mehraban Salaryfar, Reneé Seward Nettle, Michael A. Riley, T. Douglas Mast, Suzanne Boyce
3	<i>Speech motor control and learning in young children who do and do not stutter</i>	Victoria Tumanova, Samantha Fiorante
4	<i>Measurement Level of Visual Analog Scales for Salient Dysarthria Features</i>	Deepthi Crasta, Kaila L. Stipancic, Supraja Anand, Inyong Choi, Mili Kuruvilla-Dugdale
5	<i>Temporal learning of segment durations generalizes to untrained words</i>	Robin Karlin, Sophie Barth
6	<i>FastAdapt: SimpleDIVA Model Fits to Child Speech Data from a Shortened Adaptive Protocol</i>	Barbara Scheer, Amanda Eads, Elaine Kearney, Elaine Hitchcock, Frank Guenther, Tara McAllister
7	<i>Shared and distinct precentral areas for speech production and receptive language in individual brains.</i>	Rebecca M. Belisle, Yinyuo Liu, Tyler K. Perrachione
8	<i>Update of internal sensory predictions drives speech motorsensory adaptation in optimization-based models of speech production</i>	Benjamin Elie, Juraj Simko, Alice Turk
9	<i>Modulation of Subthalamic Nucleus Neurons During Speech and Finger Tapping Tasks</i>	Andrea H. Rohl, Joel I. Berger, Kris Tjaden, Daniel M. Corcos, Charity G. Patterson, Jeremy D.W. Greenlee
10	<i>Association between Parkinson's disease subtype and sex in release burst patterns during consonant production</i>	Abigail DeNike, Neha Kamireddi, Taylor Feaste, Nitya Vishwanath, Cara Stepp, Jenny Vojtech, Kara M. Smith
11	<i>Read versus Spontaneous Speech Tasks in Hypokinetic Dysarthria: Effects on Acoustic Measures as a Function of Speech Severity</i>	Nathaniel Cline, Jessica Huber, Kelly Richardson, Kaila Stipancic, Kris Tjaden

12	<i>Clear Speech Classification in Parkinson's Disease using Acoustic Features and Machine Learning</i>	Ahmed M. Yousef, Rohan V. Kasodariya, Daryush D. Mehta
13	<i>Communication Changes Following SPEAK OUT!: Perspectives of People with Parkinson's Disease and Their Care Partner</i>	Emily Hartford, Elizabeth Martin, Kristen Allison
14	<i>The relationship between airflow estimates derived from respiratory inductance plethysmography and the Phonatory Aerodynamic System</i>	Victoria McKenna, Sophia Gifford, Emma Burns, Jordan Awan, Jun Chen, Zheming Sun, David Eddins, Shaheen Awan
15	<i>Neither task-relevant nor task-irrelevant variability are associated with speech auditory-motor adaptation</i>	Satyajit Ambike, Kwang S. Kim
16	<i>Modulation of auditory vs somatosensory cortical responses during speech movement planning in typical speech production and in individuals who stutter</i>	Elise LeBovidge, Takayuki Ito, Ludo Max

Friday June 13th – Poster Session 3

#	Title	Authors
1	<i>Examining the Relationship between Non-Nutritive Suck and Articulation Rate During the First Year of Life</i>	Kristen Allison, Katharine M. Radville, Alaina Martens, Natalie Petermen, Alex Hong, Elizabeth Heller Murray, Emily Zimmerman
2	<i>Effect of speech modification strategies on vowel acoustics in adolescents with dysarthria</i>	Kristen Allison, Jacqueline Perlmutter, Piper Lynn, Samantha Gale
3	<i>Investigating the relationship between early speech milestones and oral-motor development in infants</i>	Alaina Martens, Kristen Allison, Naomi Rajput, Justin Manjourides, Katharine Radville, Natalie Peterman, Emily Zimmerman
4	<i>Formants Measurements for Child Speech: An Approach to Refining Automatic Extraction Methods</i>	Henry Nomeland, Emily Wang, Kristen M. Allison, Katherine C. Hustad
5	<i>Application of an acoustic to articulatory speech inversion system for children with velopharyngeal port insufficiency</i>	Saba Tabatabaee, Suzanne Boyce, Liran Oren, Mark Tiede, Carol Espy-Wilson
6	<i>Balancing Intelligibility and Listener Effort in Speakers with ALS: Implications for Intervention</i>	Isaac F. Toth, Kaila L. Stipancic, Hannah P. Rowe
7	<i>Neural Correlates of Articulatory Speech Control Deficits in Post Stroke Aphasia: An ERP Study</i>	Vahid Nejati, Ayoub Daliri, Roozbeh Behroozmand
8	<i>Pronunciation Assessment and Intelligibility Prediction in Child Speech Using a Transformer GOP Model</i>	Prad Kadambi, Tristan Mahr, Katie Hustad, Visar Berisha
9	<i>Gender-Affirming Resonance Training with the TruVox App</i>	Tara McAllister, Jayce Garner, Collin Eagen, Vesna Novak
10	<i>Changes in Auditory and Somatosensory Function After Treatment for Speech Sound Disorder</i>	Marcela Lara, Amanda Eads, Doug Shiller, Jonathan Preston, Elaine Hitchcock, Tara McAllister
11	<i>Functional connectivity of the M1 inter-effector areas differentiating stuttering and non-stuttering children</i>	Soo-Eun Chang, Yanni Liu, Fiona Höbler, Hannah Becker, Mike Angstadt, Adriene Beltz

12	<i>Temporal control parameters for speech movement coordination: an electromagnetic articulography study</i>	Matthew Masapollo, Ann Stewart, Ashlyn Ludwig, Sanjana Kota, Alayna Leck, Susan Nittrouer
13	<i>Stable timing between articulatory gestures and syllable pulses</i>	Christopher Geissler
14	<i>How interpretable are kinematic estimates from acoustic-to-articulatory speech inversion for children with speech sound disorders?</i>	Nina R. Benway, Benjamin Munson, Jonathan L. Preston, Carol Espy-Wilson
15	<i>Voluntary Nasalance Reduction Using Simulated Nasal Congestion</i>	Somayah Al-Ees, Jayden Singh, Tim Bressmann
16	<i>Differences in White Matter Fiber Density and Fiber-bundle Cross-section in Children who Stutter compared to Controls: a Fixel-based Analysis</i>	Hasini Weerathunge, Fiona Höbler, Mike Angstadt, Andrew Jahn, Ho Ming Chow, Yanni Liu, Soo-Eun Chang

Tuesday June 10th – Virtual Poster Session

#	Title	Authors
1	<i>An Automatic and Objective Approach to Unlocking Temporal Differences in the Speech of Children Who Do and Do Not Stutter</i>	Vishruta Yawatkar, Evan Usler
2	<i>Seeing inside stuttering: articulation in stuttered speech revealed by real-time MRI</i>	Yijing Lu, Louis Goldstein, Shrikanth Narayanan
3	<i>Red Light! Green Light! An Analysis of the Superior Temporal Gyrus in Word Processing during Overt and Covert Speech Production using fNIRS</i>	Dima Alsaigh, Talah Hasanni, Mitchell Holmes, Amberley Ostevik, Kulpreet Cheema, Truc Huynh, Sarah Saju, Torrey Loucks, Daniel Aalto, Jacqueline Cummine
s4	<i>Minimal detectable change and minimal clinically important difference of speaking rate in progressive apraxia of speech</i>	Gabriela Meade, Priyanka A. Strewblow, Rene L. Utianski
5	<i>Speech Intelligibility in Speakers with Adductor Laryngeal Dystonia</i>	Turley Duque, Jenny Vojtech, Katherine L. Marks, Laura E. Toles, Cara Sauder, Tanya L. Eadie, Cara E. Stepp
6	<i>The Acoustic Features of Stress in Adults with Down syndrome and Typically Developing Adults in Persian</i>	Nasim Gray, Vahideh Abolhasanizadeh, Kevin Reilly
7	<i>The relationship between airflow estimates derived from respiratory inductance plethysmography and the Phonatory Aerodynamic System</i>	Victoria McKenna, Sophia Gifford, Emma Burns, Jordan Awan, Jun Chen, Zheming Sun, David Eddins, Shaheen Awan
8	<i>Laryngoresponders: are they more common in individuals diagnosed with vocal hyperfunction?</i>	Daphne Toglia, Nicole Tomassi, Allison S. Aaron, Turley Duque, Kaitlyn A. Siedman, Jose M. Rojas, Lauren F. Tracy, Pieter Noordzij, Cara E. Stepp
9	<i>Perceptual and sensorimotor learning with noise vocoded speech</i>	Abigail R. Bradshaw, Susan Black, Matthew H. Davis
10	<i>Pronunciation Assessment and Intelligibility Prediction in Child Speech Using a Transformer GOP Model</i>	Prad Kadambi, Tristan Mahr, Katie Hustad, Visar Berisha

Keynote Speaker



Carol Espy-Wilson, PhD

Professor, Electrical and Computer Engineering at the University of Maryland, College Park

Dr. Carol Yvonne Espy-Wilson is a distinguished electrical engineer and professor in the Department of Electrical and Computer Engineering at the University of Maryland at College Park, where she was the first African-American to achieve tenure and full professorship. She earned her Ph.D. in Electrical Engineering from MIT, becoming the first African-American woman to do so, after completing her B.S. in Electrical Engineering at Stanford. Her expertise spans signal processing, machine learning, and speech acoustics, with a focus on improving speech recognition by integrating articulatory and phonetic features. Dr. Espy-

Wilson's research includes developing a speech inversion system with applications in detecting and monitoring mental health conditions like depression and schizophrenia. She is a fellow of several prestigious organizations, including the Acoustical Society of America and IEEE, and has received numerous awards for her contributions to the field. Additionally, she founded OmniSpeech, a company that produces AI-powered speech processing software, which has garnered multiple awards and NSF grants.

Invited Speakers

Panying Rong, PhD

Associate Professor, Department of Speech-Language-Hearing: Sciences & Disorders at the University of Kansas

Dr. Panying Rong is an associate professor in the Department of Speech-Language-Hearing at the University of Kansas. Her interdisciplinary research program focuses on integrating precision medicine and computational approaches to enhance the understanding and individualized care of progressive neuromotor speech disorders. To achieve these goals, her research team has developed and tested a variety of automated computational tools for objective assessment, monitoring, prognosis, phenotyping, and tailored management of motor speech disorders secondary to neurodegenerative conditions such as ALS and Parkinson's disease. In addition, she is also interested in applying multimodal measurement techniques (e.g., facial surface electromyography, kinematic tracking, acoustic) for identifying novel subclinical markers to improve the screening and early detection of communication disorders in asymptomatic individuals at risk for developing neurodegenerative diseases such as Alzheimer's disease. She has published across disciplines, including communication science and disorders, neurophysiology, and neurology.



Alan Bush, PhD

Co-Director, Brain Modulation Lab, Department of Neurosurgery at Massachusetts General Hospital

Dr. Alan Bush studies the electrophysiology of the basal ganglia, the pathophysiology of movement disorders, and the mechanism of action of neuromodulation therapies like Deep Brain Stimulation (DBS). Through his work at the Brain Modulation Lab, he leverages the unique access to the human basal ganglia provided by DBS implantation surgery to explore the role of these structures in speech perception and production, aiming to optimize DBS therapy for improved speech outcomes.



Kimberly Dahl, PhD, CCC-SLP

Post-doctoral Fellow, Department of Speech, Language, & Hearing Disorders at Boston University

Dr. Kimberly Dahl (she/her) is a postdoctoral fellow in the Department of Speech, Language, and Hearing Sciences at Boston University. She researches speech motor learning in the context of multi-participant, dynamic interactions. Her work recognizes the considerable influence listeners have over speaker behavior and aims to understand how that influence affects articulatory and prosodic control in speakers with motor speech disorders.



Jason Whitfield, PhD, CCC-SLP

Associate Professor, Department of Communication Sciences and Disorders at Bowling Green State University



Dr. Jason Whitfield is a faculty member in the Department of Communication Sciences and Disorders at Bowling Green State University (BGSU), where he conducts research on interactions between speech production and goal-directed attentional control. He values collaborating with internal and extramural colleagues and students at all levels, from undergraduates to doctoral trainees. Much of his research has examined how cognitive-linguistic factors interact with goal-directed and habitual speech motor control in talkers with and without Parkinson disease. Since 2021, Whitfield has served as the Diversity and Inclusion Faculty Facilitator in the College of Health and Human Services at BGSU. He is developing an emerging area of scholarly work focused on patterns of inequality and structural racism in higher education, including health and human service programs and speech-language pathology. He serves in other professional roles, including as the editor for Perspectives of the ASHA Special Interest Groups – SIG 19: Speech Science, an editorial board member of the Speech section of Journal of Speech, Language, and Hearing Research and the Speech and Language section of Frontiers in Human Neuroscience, and as a member of the Justice, Equity, Diversity, and Inclusion Committee for the Association of Schools Advancing Health Professions.

Gemma Moya-Galé, PhD, CCC-SLP

Assistant Professor, Department of Communication Sciences and Disorders at Columbia University

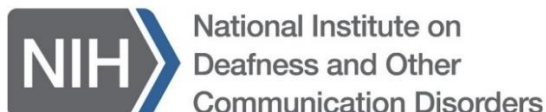


Dr. Gemma Moya-Galé is an assistant professor of Communication Sciences and Disorders at Teachers College, Columbia University. Her primary interests focus on the development of novel treatment approaches, using automatic speech recognition, to improve communication and quality of life in individuals with Parkinson's disease (PD). Additionally, her clinical research aims at the inclusion and empowerment of underrepresented populations with PD, such as Hispanic/Latinx/Latiné, and her community outreach strives to maximize resources and services that are linguistically and culturally responsive for this population. She directs the Communication, Technology, and Language Diversity Lab, as well as *Speech for PD*, a university and community-based group speech rehabilitation program for individuals with PD.

Program & Organizing Committee

Jenny Vojtech • Cara Stepp • Brittany Fletcher • Daphne Toglia • AnnaKate Spotts • Frank Guenther • Emily Stephen • Mara Kapsner-Smith

Sponsors & Support



Disclosures

Speaker financial and non-financial disclosures:

Marc Maffei has no financial or non-financial relationships to disclose.

Irene Echeverria-Altuna received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Rosalie Gendron has no financial or non-financial relationships to disclose.

Yilun Zhang received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Abigail Collier received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Fengyue Lisa Zhao received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Heather Kabakoff received a travel award from BSMCS to offset costs associated with attendance and is supported by grants from the National Institutes of Health and NYU School of Medicine. They have no non-financial relationships to disclose.

Fatemah Tabari received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Latane Bullock has no financial or non-financial relationships to disclose.

Panying Rong has no financial or non-financial relationships to disclose.

Matthew Masapollo has no financial or non-financial relationships to disclose.

Rahul Brito has no financial or non-financial relationships to disclose.

Alan Bush has no financial or non-financial relationships to disclose.

Sophia Dove received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Kim Dahl has no financial or non-financial relationships to disclose.

Tristan Mahr receives salary, royalties, and intellectual property rights from UW-Madison Waisman Center. They have no non-financial relationships to disclose.

Carol Espy-Wilson has no financial or non-financial relationships to disclose.

Jason Whitfield receives salary from Bowling Green State University and royalties from Plural Publishing. They have no non-financial relationships to disclose.

Nishant Rao received a travel award from BSMCS to offset costs associated with attendance. They have no non-financial relationships to disclose.

Gemma Moya-Galé has no financial or non-financial relationships to disclose.

Conference support:

Conference expenses—including CitySpace venue, trainee travel awards, speaker travel, family care providers, conference supplies, interpreters, and poster board rentals—are being partially paid for by a grant from the National Institutes of Health (R13 DC017674; PI: Vojtech). The De Luca foundation sponsored additional speaker travel and intersession breaks at this symposium and poster receptions. Boston University supported space rental at the Rajen Kilachand Center for Integrated Life Sciences & Engineering (CILSE).

Learning Objectives

As a result of attending this symposium, participants will be able to:

1. List current questions in speech motor control.
2. Identify the role and impact of sensorimotor impairment in a variety of acquired and developmental communication disorders.
3. Describe factors that influence sensorimotor control and learning in speech.



ASHA CE
APPROVED PROVIDER

Boston University

Intermediate Level

.85 ASHA CEUs

This course is available for partial credit. To successfully complete this course, at the end of the symposium, attendees must submit a course completion form documenting which presentations they attended, their course evaluation, and their intent to change statement.