

### **Current Position**

Assistant Professor  
Department of Speech Pathology & Audiology  
Western Michigan University, Kalamazoo MI  
2002-present

### **Employment History**

Research Associate  
Audiology and Speech Center  
Walter Reed Army Medical Center, Washington DC  
1999-2002

Project Assistant  
X-ray Microbeam Facility  
Department of Communicative Disorders & Waisman Center  
University of Wisconsin, Madison, WI  
1995-1999

Speech-Language Pathologist  
General Hospital, Sault Ste. Marie, ON  
1990-1995

Research Assistant  
Department of Research  
Sunnybrook Medical Center, Toronto, ON  
1988-1990

### **Education**

Honours B.Sc. Human Biology and Biomedical Sciences, University of Guelph  
1983- 1987

M.H.Sc. Speech Pathology, University of Toronto  
1987-1989

Ph.D. Communicative Disorders, University of Wisconsin-Madison  
1995-1999

### **Funded Research Grants**

*Speed Accuracy Trade-offs in Speech Motor Behavior.*  
Faculty Research and Creative Activities Support Fund: Western Michigan University  
Grant Period: 2004-2005  
Amount: \$4941  
Role: Principal Investigator

*Neuromotor basis of stuttering.*

National Institutes of Health (RO1 DC 03659)

Grant period: 2002-2004

Amount (direct costs): \$415,217

Role: Co-Investigator

**Unfunded Research Grants**

*The Virtual Patient: Improving Technology to Achieve Excellence in Clinical Education & Service*

Western Michigan University Innovation Fund

Grant period: May 2006-December 2007

Total Cost: \$301,000

Role: Project Co-Director

Submission Date: Jan 16, 2006

*Neuromotor basis of stuttering.*

National Institutes of Health

Grant Period: 2005-2010

Total Cost: \$1,825,000

Role: Co-Investigator

Results: priority score 235, Percentile 34.9

Submission Date: Nov 1, 2004

*Neuromotor basis of stuttering.*

National Institutes of Health

Grant Period: 2004-2009

Total Cost: \$1,636,875

Role: Co-Investigator

Results: priority score 210, percentile 31.1

Submission Date: Nov 1, 2003

**Research Grants Submitted**

*Mechanisms of Speech Motor Learning*

National Institutes of Health R03 Small Grant Award

Proposed Grant Period: 2007-2010

Total Cost: \$219,000

Role: Principal Investigator

Submission Date: November 15, 2006

**Published Peer Reviewed Articles**

Tasko SM, McClean MD, & Runyan CR (2007) Speech motor changes coincident with stuttering treatment *Journal of Communication Disorders*, 40, 42-65.

McClellan MD, & Tasko SM (2004) Correlation of orofacial speeds with voice acoustic measures in the fluent speech of persons who stutter *Experimental Brain Research*, 159, 310-318.

McClellan MD, Tasko SM & Runyan CR (2004) Orofacial movements associated with fluent speech in persons who stutter *Journal of Speech, Language, and Hearing Research*, 47, 294-303.

Tasko SM & McClellan MD (2004) Variations in articulatory kinematics with change in speech task. *Journal of Speech, Language, and Hearing Research* 47, 85-100.

Tasko SM & Westbury JR (2004) Speed-curvature relations for speech-related articulatory movement. *Journal of Phonetics*, 32, 65-80.

McClellan MD & Tasko SM (2003) Association of orofacial muscle activity and movement during changes in speech rate and intensity. *Journal of Speech, Language, and Hearing Research*, 46, 1387-1400.

McClellan MD & Tasko SM (2002) Association of orofacial with laryngeal and respiratory motor output during speech. *Experimental Brain Research*, 146, 481-489.

Tasko SM, Kent RD & Westbury JR (2002) Variability in tongue movement kinematics during normal liquid swallowing. *Dysphagia*, 17, 126-138.

Tasko SM & Westbury JR Defining and measuring speech movement events. (2002) *Journal of Speech, Language, and Hearing Research*, 45, 127-142.

Callan DE, Kent RD, Roy N & Tasko SM (1999) Self-organizing map for the classification of normal and disordered female voices. *Journal of Speech, Language, and Hearing Research*, 42, 355-366.

Roy N, McGrory JJ, Tasko SM, Bless DM, Heisey D & Ford CN (1997) Psychological correlates of functional dysphonia: an investigation using the Minnesota Multiphasic Personality Inventory. *Journal of Voice*, 11, 443-451.

Roy N & Tasko SM (1994) Speaking fundamental frequency changes following successful management of functional dysphonia. *Journal of Speech-Language Pathology and Audiology* 18, 115-120.

**Published Peer Reviewed Conference Proceedings**

Tasko, SM, McClean, MD & Runyan CM (2001) Variations in speech motor output following stuttering treatment. In B. Maassen, W. Hulstijn, R. Kent, H. Peters, & P. van Lieshout (Eds.) *Speech Motor Control in normal and disordered speech*. (pp. 274-277) Uigeverji Vantilt: Nijmegen.

**Book Chapters**

Callan DE, Kent RD, Roy N & Tasko SM (1999) The use of self-organizing maps for the classification of voice disorders. In RD Kent and MJ Ball (Eds.) *The Handbook of Voice Quality Measurement*. Singular Publishing Group, San Diego.

**Peer Reviewed Conference Presentations**

Finan, D, Tasko, SM & Brooks, K (2006) Suitability of using portable digital recorders for clinical speech analyses. To be presented at Annual ASHA meeting, Miami Beach FL.

Tasko, SM (2006) Speed accuracy relationships in speech motor behavior. Thirteenth biennial conference on Speech Motor Control, Austin, TX.

Finan, D & Tasko SM (2005) Instrumentation for “dummies”: Simple approaches to support clinical practice. Annual ASHA meeting, San Diego CA.

Greilick, K & Tasko SM (2004) Perceptual, acoustic and articulatory features of clear speech. Annual ASHA meeting, Philadelphia PA.

Tasko SM, McClean MD & Runyan CM (2004) Speech motor changes coincident with stuttering treatment. Twelfth biennial conference on Speech Motor Control, Albuquerque, NM.

McClean MD & Tasko SM (2004) Correlation of orofacial speeds with voice acoustic measures in persons who stutter. Twelfth biennial conference on Speech Motor Control, Albuquerque, NM.

Tasko SM & McClean MD (2002) Variability in normal speech kinematic behavior across experimental sessions. Annual ASHA meeting, Atlanta, GA.

Tasko SM & McClean MD (2002) Variations in articulatory kinematics with changes in speech task. Eleventh biennial conference on Speech Motor Control, Williamsburg VA.

McClean MD & Tasko SM (2002) Association of orofacial with laryngeal and respiratory motor output during speech. Eleventh biennial conference on Speech Motor Control, Williamsburg VA.

Tasko SM, McClean MD & Runyan CM (2001) Variations in speech motor output following stuttering treatment. 4th International speech motor conference, Nijmegen, The Netherlands.

Tasko SM & Westbury JR (2000) Speed-curvature relations for selected oral articulators during connected speech. Annual ASHA meeting, Washington DC.

McClean MD & Tasko SM (2000) Correlation of orofacial speeds with voice acoustics and lung volume. Annual ASHA meeting, Washington DC.

McClean MD, Runyan CM & Tasko SM (2000) Changes in orofacial movement speeds following stuttering treatment. Annual ASHA meeting, Washington DC.

McClean MD, Runyan CM, Tasko SM & Shelton H (2000) Patterns of speech motor subsystem performance following stuttering treatment. Annual ASHA meeting, Washington DC.

Tasko SM & Westbury JR (2000) Kinematic factors underlying timing in connected speech. 139th Meeting of the Acoustical Society of America, Atlanta, GA.

Tasko SM & Edgerton ME (2000) Merging the performing arts with the science of speech. Annual conference of the College Art Association, New York, NY.

McClean MD, Runyan CM & Tasko SM (2000) Variations in orofacial speed and utterance duration in speech rate in persons who stutter. Tenth biennial conference on Speech Motor Control, San Antonio TX.

Tasko SM, Kent RD & Westbury JR (1998) Lingual and mandibular kinematics of swallowing: an x-ray microbeam study. Annual ASHA Convention, San Antonio TX.

Roy N, Tasko SM, Bless DM & Levenson G (1998) Acoustic correlates of spasmodic dysphonia, functional dysphonia, and successful management. Annual ASHA Convention, San Antonio TX.

Roy N, Tasko SM & Doyle PC (1997) Unusual voice cases: raising more questions than answers. Annual ASHA Convention, Boston MA.

Roy N, Tasko SM, Callan D & Bless DM (1997) Documenting outcomes of voice treatment: which acoustic measures matter? Annual ASHA Convention, Boston MA.

Tasko SM, Roy N & Harvey S (1994) Using manual laryngeal tension reduction techniques with benign mucosal disorders. Annual ASHA Convention, New Orleans LA.

Tasko SM & Roy N (1994) Dysphagia as the primary symptom of stroke: a case study. Annual ASHA Convention, New Orleans LA.

Roy N, McGrory JJ & Tasko SM (1994) Psychological correlates of functional dysphonia. Annual ASHA Convention, New Orleans LA.

Roy N, Tasko SM & Harvey S (1994) Treatment results using the manual laryngeal musculoskeletal tension reduction procedure. Annual ASHA Convention, New Orleans LA.

Roy N, Tasko SM & Harvey S (1994) Speaking fundamental frequency changes (SFF) following the successful management of functional dysphonia. Annual ASHA Convention, New Orleans LA.

Tasko SM, Roy N & McGrory JJ (1993) Two successfully treated cases of functional dysphonia and coexisting hypernasality. Annual ASHA Convention, Anaheim CA.

Tasko SM & Roy N (1991) Recovery of a spastic dysarthric patient: acoustic and intelligibility findings. Annual ASHA Convention, Atlanta GA.

Roy N & Tasko SM (1991) Digital laryngeal manipulation as a diagnostic procedure with vocal nodules. Annual ASHA Convention, Atlanta GA.

Tasko SM & McClean MD (1989) Effects of simple instruction on lip-EMG response gain. Annual ASHA Convention, St. Louis MO.

### **Invited Presentations**

Michigan Speech Language Hearing Association Clinical Review Series  
Presenter for "Voice Disorders"  
October 23, 2005, Wayne State University, Detroit MI

Co-presenter for one-day workshop entitled "Clinical Symposium: Management of Voice and Swallowing Disorders", Northern Michigan University, Marquette MI (1994)

Co-presenter for a one-day workshop entitled "A Practical Approach to the Treatment of Voice Disorders", Northern Outreach Program, North Bay ON (1993)

### **Awards**

Co-recipient of the 1999 Editor's Award for Best speech paper in *Journal of Speech, Language and Hearing Research*

Co-recipient of the 1990 Ontario Speech-Language Hearing Association's Award of Excellence for Public Awareness and Education

### **Professional Affiliations**

SLP Certification with the ASHA  
Member of the Acoustical Society of America  
Member of Michigan Speech Language Hearing Association

### **Teaching Responsibilities**

SPPA 2050 Speech Anatomy and Physiology  
SPPA 4030 Speech Science  
SPPA 6400 Voice Disorders  
SPPA 6010 Advanced Speech Science  
SPPA 6700 Clinical Practicum  
SPPA 6490 Stuttering  
SPPA 2060 Hearing Science (2005 only)

### **Masters Thesis Supervision**

Brown, Bryan, *Untitled*, In progress  
Committee chair

Fissel, Schea, *Untitled*, In progress  
Committee chair

Barrus, Bethany, *Teens' Attitudes Toward Confidentiality in Health Care Settings*, in progress  
Committee member

Hague, Rebecca, *Teens' Perspectives on Their Level of Autonomy in Health Care Decision Making*, In progress  
Committee member

Greilick, Kristin, *Auditory Perceptual, Acoustic and Articulatory Kinematic Features of Clear Speech* Masters Thesis, June 2004  
Committee chair

Sova, Jennifer, *The Immediate Effects of Vestibular Stimulation on the Language Performance of a Child with Autism*, Master's Thesis, Western Michigan University, April 2003  
Committee chair

### **Undergraduate Thesis Supervision**

Fissell, Schea, *The Basal Ganglia, Motor Sequencing and Stuttering*  
Undergraduate Honors Thesis, Western Michigan University  
April 2006  
Committee chair

Schrauben, Nicole, *Errorless Learning as a Treatment for Adults with Memory Problems*  
Lee Honors College Thesis, Western Michigan University  
April 2004  
Committee member

### **Other Research Supervision**

Malone, Katie, *Validation of a Custom Sound Level Analyzer*  
Audiology doctoral project  
2006  
Committee member

### **University Service**

Western Michigan University Faculty Senate (2003-2009)  
Departmental Budget Committee (2002-2005)  
Departmental Sabbatical Leave Committee (2003-2006)  
Departmental Human Subjects Review Committee (2003-2006)  
University Grade and Program Dismissal Appeals Committee (2004-2006)  
Departmental Personnel Committee (2003-2006)  
Ad-hoc SPPA Chair search committee (2006-)  
Ad-hoc biostatistician search committee (2004-2005)  
Ad-hoc anatomy laboratory committee (2004-2005)  
Van Riper Lecture Series organizing committee (2004)  
Van Riper Lecture Series organizing committee (2005)  
Medallion Scholar interview committee (2005)  
Interview Panel for IHS Doctoral program (2006)

### **Professional Service**

Editorial Consultant for *Journal of Speech, Language and Hearing Research*  
Occasional reviewer for  
*Journal of the Acoustical Society of America*,  
*Speech Communication*  
*Folia Phoniatica et Logopaedica*  
*The Phonetician*  
*Asia Pacific Journal of Speech, Language and Hearing*

Topic Coordinator - Speech Science Program, 2005 ASHA Convention

Member of Speech Science/Physiology Subcommittee for the 2001 ASHA Convention

Board of Directors for the Head Injury Association of Sault Ste. Marie and District  
(1992-93)

Speech-Language Pathology Representative for the Northern Outreach Program District  
Planning Group (1991-95)