

RECENT PUBLICATIONS

April 1980 - March 1981

A. Publications in English

1. Publications in Periodicals

i. Original Contributions

Löfqvist, A., and H. Yoshioka (1980); Laryngeal Activity in Swedish Obstruent Clusters. *JASA*, 68, 792-801.

ii. Review Articles

Sawashima, M. (1980); Some Notes on the Physiology of Speech Production. *Language and Speech*, 23, 31-37.

iii. Progress Reports

Hirose, H., M. Sawashima, and H. Yoshioka (1980); Laryngeal Control for Initiation of Utterance - A Simultaneous Observation of Glottal Configuration and Laryngeal EMG-. *Ann. Bull. RILP* 14, 113-123.

Hirose, H., S. Kiritani and M. Sawashima (1980); Patterns of Dysarthric Movements in Patients with Amyotrophic Lateral Sclerosis and Pseudobulbar Palsy. *Ann. Bull. RILP*, 14, 263-272.

Imagawa, H., S. Kiritani and S. Saito (1980); Random Perturbation on the Pitch Pattern and the Naturalness of Synthetic Speech. *Ann. Bull. RILP* 14, 201-207.

Itoh, K., S. Niwa, K. Hiramatsu, Y. Saito and S. Kikkawa (1980); Hemispheric Asymmetry of Auditory Evoked Responses and Abnormal Verbal Behavior. *Ann. Bull. RILP*, 14, 171-179.

Kiritani, S., H. Hirose and M. Sawashima (1980); Simultaneous X-ray Microbeam and EMG Study of Velum Movement for Japanese Nasal Sounds. *Ann. Bull. RILP*, 14, 91-100.

Löfqvist, A., and H. Yoshioka (1980); Laryngeal Activity in Icelandic Obstruent Production. *Haskins Laboratories Status Report on Speech Research*, SR-63/64, 275-292.

Saito, S. and K. Itoh (1980); Effect of Acoustic Feature Parameters on Perceptual Identification of Speaker. *Ann. Bull. RILP* 14, 209-216.

Sawashima, M. (1980); Vocal Pitch Control in Word Accent and Sentence Intonation in Japanese. *Ann. Bull. RILP* 14, 53-63.

Sawashima, M. and H. Hirose (1980); Laryngeal Gestures in Speech Production. *Ann. Bull. RILP*, 14, 29-51.

Sawashima, M., H. Hirose, K. Honda and M. Sugito (1980); Relative Timing of Articulatory and Phonatory Controls in Japanese Word Accent: A Study on Nonsense Two-mora Words. *Ann. Bull. RILP*, 14, 139-147.

- Sawashima, M., H.S. Park, K. Honda and H. Hirose (1980); Fiber-  
scopic Study on Laryngeal Adjustments for Syllable-final  
Approsives in Korean. Ann. Bull. RILP, 14, 125-138.
- Sekimoto, S. and S. Saito (1980); Nonlinear Frequency Compression  
Speech Processing Based on the PARCOR Analysis-Synthesis  
Technique. Ann. Bull. RILP 14, 65-72.
- Sekimoto, S., S. Kiritani and S. Saito (1980); Intelligibility of  
Frequency Compressed Speech in Lowpass Filtered Condition.  
Ann. Bull. RILP 14, 181-193.
- Sekimoto, S., S. Kiritani and S. Saito (1980); Perceptual Phoneme  
Confusion of Frequency Compressed Speech. Ann. Bull. RILP  
14, 195-200.
- Yoshioka, H. and A. Löfqvist (1980); Laryngeal Adjustments in  
Stutterer: A Glottographic Observation Using a Reaction Time  
Paradigm. Haskins Laboratories Status Report on Speech Re-  
search, SR-62, 117-126.
- Yoshioka, H., A. Löfqvist, and H. Hirose (1980); Laryngeal Ad-  
justments in Japanese Voiceless Sound Production. Haskins  
Laboratories Status Report on Speech Research, SR-63/64,  
293-308.

#### iv. Abstracts of Meeting Papers

- Hirose H. and M. Sawashima (1980); Analysis of Abnormal Articula-  
tory Dynamics in Central Motor Disorders. Neuroscience  
Letters (Abstracts of the Third Annual Meeting of the Japan  
Neuroscience Society, Tokyo, Japan, 1980) Suppl. 4, 73, 1980.
- Hirose, H., S. Kiritani and M. Sawashima (1980); Velocity of Ar-  
ticulatory Movements, Folia Phoniatica 32, 196.
- Löfqvist, A. and H. Yoshioka (1980); Laryngeal Activity in Ice-  
landic Obstruent Production. Preprints of the Fourth Inter-  
national Conference of Nordic and General Linguistics.
- Löfqvist, A. and H. Yoshioka (1980); Laryngeal-oral Coordination  
in American English Obstruent Production. JASA Supple. #1,  
68, S102.
- Löfqvist, A., T. Baer and H. Yoshioka (1980); Scaling of Glottal  
Opening. JASA Suppl. #1, 67, S53.
- Sawashima, M. and M. Hirano (1980); Clinical Evaluation of Voice  
Disorders. Folia Phoniatic. 32, 237.
- Sawashima, M., S. Shibata, S. Hiki and S. Kiritani (1980); Por-  
table Type Hardware Unit for Electropalatography. Folia  
Phoniatic. 32, 237.
- Ushijima, T., M. Sawashima and H. Hirose (1980); Effects of Accent  
and Speaking Rate on the Dynamic Control of Velar Articula-  
tion. Folia Phoniatic. 32, 253.
- Yoshioka, H. and A. Löfqvist (1980); Laryngeal Involvement in  
Stuttering. Folia Phoniatica 32, 260-261.
- Yoshioka, H., A. Löfqvist and H. Hirose (1980); Laryngeal Adjust-  
ments in Japanese Voiceless Sound Production. JASA Suppl.  
#1, 67, S52.

2. Contributions in Meeting Proceedings, etc.

i. Printed Full Texts of Symposium Papers, etc.

Saito, S. and K. Itoh (1980); Effect of Acoustic Feature Parameters of Speech on Perceptual Identification of Speaker. Proc. Symposium on Speech Acoustics, "Speech Recognition by Human and by Machine", Budapest, Sept. 30-Oct. 2, 1980, 123-128.

ii. Preprints of Meeting Papers in Proceedings or Digests

Itoh, K. (1980); Analysis of Correlation Between Speech and EEG. Proceedings of the International Union of Physiological Sciences, Budapest. 14:487, July 1980.

Saito, S., S. Kiritani and S. Sekimoto (1980); Intelligibility of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis Method. Proc. 10th Int. Cong. Acoustics, Sydney, July 9-16, 2, A.1-7.4.

3. Contributions in Separate Publications

i. Papers in Festschrifts and Anthologies

ii. Part of a Textbook or Handbook

4. Monographs

B. Publications in Japanese

1. Publications in Periodicals

i. Original Contributions

Furui, S. and S. Saito (1980); Speaker Recognition Using Dynamic Features of Speech Spectra. Elect. Comm. Lab. Tech. Jour. 29, 1263-1276.

Itoh, K., S. Niwa, Y. Saitoh and S. Kikkawa (1980); Auditory Evoked Potentials and Selective Attention. Clinical Electroencephalography, 22:592-599.

Okazaki, K., T. Onizuka, M. Abe and M. Sawashima (1980); Palatalized Articulation as a Type of Cleft Palate Speech: Observation by Dynamic Palatograph and Cineradiograph. Japan J. Logoped. Phoniater. 21, 109-120.

ii. Review Articles

Hirose, H. (1980); Clinical Examinations of Bulbar Palsy with Special Reference to Deglutition, Phonation and Articulation. Neurological Medicine 13, 418-425.

Hirose, H. (1980); Dysarthria - From the Standpoint of Logopedics and Phoniatics, The Saishin Igaku 35, 233-241.

Hiroto, I., M. Sawashima, M. Hirano and H. Hirose (1980); Report on 18th Congress of International Association of Logopedics and Phoniatics. Japan J. Logop. Phoniater. 21, 262-265.

Saito, S. (1980); Review on Speech Information Processing Technique. *Electronics*, 25, 409-416.

iii. Progress Reports

iv. Abstracts of Meeting Papers

Hibi, S. (1981); On the Rythm Patterns of Repetitive Utterances of Monosyllables. *Jpn. J. Logop. Phoniatr.* 22, 107.

Hirose, H., M. Sawashima, S. Kiritani, K. Honda, T. Ushijima and S. Niimi (1980); A Study on the Velocity of Articulatory Movement. *J. Otolaryngol. Jpn.* 83, 1294-1295.

Hirose, H., S. Kiritani and M. Sawashima (1981); Dynamic Characteristics of the Speech Organs in Normal and Dysarthric Subjects. *Jpn. J. Logop. Phoniatr.* 22, 127-128.

Kiritani, S., H. Hirose and M. Sawashima (1981); Observation of Articulatory Velar Movements. *Jpn. J. Logop. Phoniatr.* 22, 126-127.

Niimi, S., M. Sawashima, H. Hirose, T. Ushijima and K. Honda (1980); Involuntary Movements in the Pharyngoloaryngeal Region. *J. Jpn. Bronchoesophagol. Soc.* 31, 173.

Niimi, S., J. Shimada, S. Hibi, S. Kiritani and H. Hirose (1981); Observation of the Tongue Shape by Means of Ultrasonic Technique. *Jpn. J. Logop. Phoniatr.* 22, 125-126.

Saito, O., S-I, Niwa, K. Hiramatsu, T. Kameyama, Y. Saitoh, K. Itoh, K. Yamazaki, M. Iwama and M. Tojo (1981); Selective Attention and Bilateral Hemispheric Functions in Psychotics. *Jap. Jour. Electro-encephalography and Electromyography.* 9:46.

Sawashima, M., M. Abe, N. Ainoda, K. Okazaki, K. Kumai, I, Honjo and Y. Watanabe (1981); Movements of the Lateral Pharyngeal Wall for Velopharyngeal Closure in Cleft Plate Cases. *Jpn. J. Logop. Phoniatr.* 22; 30-31.

Ushijima, T., M. Tatsumi and H. Hirose (1981); Voice Therapy as a Team Approach. *Jpn. J. Logop. Phoniatr.* 22, 118.

Yoshioka, H. (1980); Laryngeal Involvement in Stuttering: A Glottographic Observation. *Jpn. J. Logop. Phoniatr.* 22, 61-62.

2. Contributions in Meeting Proceedings, etc.

i. Printed Full Texts of Symposium Papers, etc.

Hirose, H., S. Kiritani and M. Sawashima (1980); A Study of Velocity of the Articulators in Normal and Dysarthric Subjects. *Transactions of Committee on Speech Research, Acoust. Soc. Japan* S80-37, 291-297.

Kiritani, S., H. Hirose and M. Sawashima (1981); EMG Activity of the Levator Muscle in the Production of the Nasal Sounds in Japanese. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S80-95.

Park, H.S., H. Yoshioka, H. Hirose and M. Sawashima (1981); Laryngeal Control in Korean Stops - an Electromyographic Study -. *Transactions of Committee on Speech Research, Acoust. Soc. Japan*, S80-93.

- Saito, S. (1980); Fundamental Problems of Speech Analysis-Synthesis Technique. Text of Technical Lecture Meeting of Acoustical Society of Japan. Tokyo, Dec. 11-12, 1-15.
- Saito, S. (1980); Present Status and Future on Speech Recognition and Synthesis Techniques. Annual Technical Meeting of Electronic Industry Association of Japan, Tokyo, Oct. 16-17, IA-1, 1-10.
- Sekimoto, S., S. Kiritani and S. Saito (1980); Intelligibility and Phoneme Confusion of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis Technique. Transactions Committee of Speech Research, Acoust. Soc. Japan, S80-83.
- Uyeno, T., H. Hayashibe, K. Imai, K. Imagawa and S. Kiritani (1980); Syntactic Constructions and Prosody in Japanese: On the Pauses at Phrase Boundaries. Transactions of Committee of Speech Research, Acoust. Soc. Japan, S80-97.
- Yoshioka, H. (1980); Laryngeal Adjustments in Stuttering: A Glottographic Study. Transactions of Committee on Speech Research, Acoust. Soc. Japan, S80-78.
- Yoshioka, H. and H. Hirose (1980); Laryngeal Adjustments in the Production of Consonant Clusters and Geminate in American English. Transactions of Committee on Speech Research, Acoust. Soc. Japan, S80-31.
- ii. Preprints of Meeting Papers in Proceedings or Digests
- Hino, H., K. Hashimoto and S. Kiritani (1980); Coarticulation between the Semivowel /j/ and Adjacent Vowels. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 509-510.
- Hirose, H., S. Kiritani and M. Sawashima (1980); Measurements of Velocity of the Articulators in Speech. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 505-506.
- Honda, K., S. Hibi, S. Kiritani and S. Niimi (1980); Measurement of the Laryngeal Structures during Phonation by Use of a Stereo-Endscope. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 499-500.
- Imagawa, H., S. Kiritani and S. Saito (1980); Random Perturbations on the Pitch Pattern and the Naturalness of Synthetic Speech. Reports of the 1980 Autumn Meeting of the Acoust. Soc. Japan, 433-434.
- Itoh, K., S-I, Niwa, K. Hiramatsu, Y. Saitoh and S. Kikkawa (1980); Multichannel Processing of Verbal Evoked Responses. Jap. Jour. Medical Electronics and Biological Engineering, 18, 336-337.
- Kiritani, S., H. Hirose and M. Sawashima (1980); Simultaneous X-ray Microbeam and EMG Study of Velum Movement for Japanese Nasal Sounds. Reports of the 1980 Autumn Meeting of the Acoust. Soc. Japan, 407-408.
- Niimi, S., K. Honda, S. Kiritani, H. Hirose, and Z. Simada (1980); Investigation of Tongue Shape by Use of Ultrasonic Tomography. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 501-502.

Niwa, S-I, K. Hiramatsu, T. Kameyama, O. Saitoh, Y. Saitoh, K. Itoh & S. Kikkawa (1980); Hemispheric Dominance in Schizophrenic Patients-Analysis by Auditory Evoked Potentials and Reaction Time. Preprints of Meeting on Neurological ME & Biofeedback, Jap. Soc. ME/BE, No. 20.

Saito, O., S-I, Niwa, K. Hiramatsu, T. Kameyama, Y. Saitoh, K. Itoh, K. Yamazaki, M. Iwama, and M. Tojo. (1980); Selective Attention and Bilateral Hemispheric Functions in Schizophrenics - Auditory Evoked Potentials and Reaction Time - Preprints of the 10th Convention of the Jap. Soc. of Electroencephalography and Electromyography, 102.

Sawashima, M., H. Hirose, K. Honda and M. Sugito (1980); Relative Timing of Articulatory and Phonatory Controls in Japanese Word Accent: A Study on Nonsense Dysyllabic Words. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 507-508.

Sekimoto, S., S. Kiritani and S. Saito (1980); Intelligibility of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis System. Jap. Jour. Medical Electronics and Biological Engineering, 18, 778-779.

Sekimoto, S., S. Kiritani and S. Saito (1980); Confusion Analysis of Frequency Compressed Speech by PARCOR Speech Analysis-Synthesis Method. Reports of the 1980 Autumn Meeting of the Acoust. Soc. Japan, 411-412.

Sekimoto, S., S. Kiritani and S. Saito (1980); Intelligibility of Frequency Compressed Speech Processed by PARCOR Speech Analysis-Synthesis Method. Reports of the 1980 Spring Meeting of the Acoust. Soc. Japan, 515-516.

Yoshioka, H. and H. Hirose (1980); Laryngeal Adjustments in Japanese Voiceless Sound Production. Reports of the 1980 Autumn Meeting of Acoust. Soc. Japan, 409-410.

### 3. Contributions in Separate Publications

#### i. Papers in Festschrifts and Anthologies

#### ii. Part of a Textbook or Handbook

Hirose, H. (1980): "Décanulement", Recurrent Laryngeal Nerve Palsy", "Partial Laryngeal Palsy", "Laryngeal EMG", "Voice Disorders" and "Dysarthria" in Questions and Answers in Otolaryngological Practice, Roppo Shuppan, Tokyo.

Sawashima, M. (1980); Chapters on "Physiology of Voice and Speech Production" and "Cleft Palate". In Hearing and Speech Disorders. (Ed. S. Horiguchi). Ishiyaku Shuppan, Tokyo.

### 4. Monographs

### 5. Translations