

Publications

I. Reports from the Institute

1. Publications in Periodicals (text in English)
M. SAWASHIMA, G. TOTSUKA, T. KOBAYASHI, and H. HIROSE, "A Surgical Treatment of Hoarseness Due to Unilateral Vocal Cord Paralysis," *Arch. Otolaryng.*, (in press).
2. Publications in Periodicals (text in Japanese)
 - a. Original Contributions
*H. HIROSE, T. KOBAYASHI, M. OKAMURA, Y. KURAUCHI, S. IWAMURA, T. USHIJIMA, and M. SAWASHIMA, "Recurrent Laryngeal Nerve Palsy," *Jap. J. Otol. Tokyo*, 70, 1-17 (1967).
 - b. Review Articles
O. FUJIMURA, "Acoustic Properties of the Vocal Tract," *Japan J. of Logopedics and Phoniatrics*, 7, 5-10 (1966).
O. FUJIMURA, "Current Trends in Speech Research," *J. Acoust. Soc. Japan*, 22, No. 3, 113-118 (1966).
O. FUJIMURA, "Science of Language," *Shizen (Nature)*, 1, No. 2, 36-43; 2, No. 3, 17-22; 3, No. 4, 48-53; 4, No. 5, 60-65; 5, No. 6, 51-57; 6, No. 7, 53-59; 7, No. 8, 56-59; 8, No. 9, 50-52; 9, No. 10, 62-65; 11, No. 12, 69-76 (1966).
M. SAWASHIMA, "Clinical Evaluation of Maximum Duration of Phonation," *Japan J. of Logopedics and Phoniatrics*, 7, No. 1, 23-28 (1966).
O. FUJIMURA, "Human Intelligence Viewed through Language," *Shizen (Nature)*, 22, No. 1, 58-63 (1967).
O. FUJIMURA, "Speech Recognition," *Sūri Kagaku (Mathematical Sciences)*, 5, No. 29, 39-44 (1967).
O. FUJIMURA, "On the Research Institute of Logopedics and Phoniatrics, University of Tokyo," *Iyō-denshi to Sētai-kōgaku (Japan. J. of Medical Electronics and Biological Engineering)*, 5, No. 1, 53-56 (1967).
3. Meeting Papers
 - a. English Texts Published in Proceedings or Digests
O. FUJIMURA, "Speech Information Processing: A Model of the Verbal Perception," *Artificial Intelligence* (Proceedings of the 3rd Symposium at the Research Institute of Electrical Communication, March, 1966), Tohoku University, 4-1: 4-10 (1966).
O. FUJIMURA, "Speech Coding and the Excitation Signal," IEEE International Communications Conference, June, 1966, *Digest of Technical Papers*, 49 (June, 1966).
O. FUJIMURA, "Some Remarks on the Analysis-by-Synthesis as a Model of Speech Perception," Seminar on "Speech Production and Perception," Leningrad, August, 1966. (Abstract published in the pre-congress collection of papers, full text to be published in the proceedings).
 - b. Japanese Texts Published in Proceedings or Digests

* With abstract in English.

† With abstract in German.

- O. FUJIMURA, K. Ochiai, Y. Kato, S. Maeda, S. Okamoto, "Some Experiments on Vocoder Excitation Source," *Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan*, 261-262 (November, 1966).
- N. UMEDA and M. SAWASHIMA, "Observation of Cineradiographic Films of Vocal Organs," *Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan*, 119-120 (May, 1966).
- O. FUJIMURA, S. KIRITANI, S. OKAMOTO, K. KANNO, and T. HAYATA, "Factors Contributing to Difficulty of Pronunciation," *Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan*, May, 1967, (in press).
- S. MAEDA and O. FUJIMURA, "Features of Voice Fluctuation," *Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan*, May, 1967, (in press).
- M. SAWASHIMA, H. HIROSE, S. KIRITANI, O. FUJIMURA, and S. HIKI, "Periodicity and Hoarseness of Voice," *Collected Papers of the Semi-Annual Meeting Acoust. Soc. Japan*, May, 1967, (in press).
- c. Abstracts Published in Periodicals
- *C. H. COKER and O. FUJIMURA, "Model for Specification of the Vocal-Tract Area Function," 72nd Meeting of Acoust. Soc. Am., November, 1966, Session 5H, *J. Acoust. Soc. Am.*, 40, No. 5, 1271 (1966).
- *O. FUJIMURA, "On Speech Synthesis by Rule," *J. Acoust. Soc. Japan*, 22, No. 1, 33 (1966).
- O. FUJIMURA, "On the Contour Type Spectrogram," *J. Acoust. Soc. Japan*, 22, No. 2, 78 (1966).
- O. FUJIMURA, G. TOTSUKA, T. SAGARA, and Y. FUKUSAKO, "Experimental Study on Establishing a Curriculum in Speech Pathology," *Japan J. of Logopedics and Phoniatrics*, 7, No. 2, 29-30 (1966).
- K. FUJITA, M. SAWASHIMA, and H. HIROSE, "A Cinefluorographic Study of Phonatory and Articulatory Movements," *Jap. J. Otol. Tokyo*, 69, 523 (1966).
- K. FUJITA, M. SAWASHIMA, and H. HIROSE, "Two Cases of Functional Dysphonia," *Japan J. of Logopedics and Phoniatrics*, 7, 12 (1966).
- K. FUKUI, M. SAWASHIMA, Y. KURAUCHI, M. SUGAI, and M. HARADA, "A Consideration of Word Finding in Aphasia," *Japan J. of Logopedics and Phoniatrics*, 7, No. 2, 19 (1966).
- H. HIROSE, T. USHIJIMA, and M. SAWASHIMA, "Recurrent Laryngeal Nerve Palsy—On the Position of Paralyzed Cord," *Jap. J. Otol. Tokyo*, 69, 1080, (1966).
- H. HIROSE, I. KIRIKAE, T. KOBAYASHI, and M. SAWASHIMA, "An Experimental Study of the Contraction Property of the Laryngeal Muscles in the Cat," *Japan J. of Logopedics and Phoniatrics*, 7, 38, (1966).
- I. KIRIKAE, S. KURAUCHI, S. IWAMURA, O. FUJIMURA, M. SAWASHIMA, S. KIRITANI, and S. HIKI, "A Study of Fundamental Pitch Period of Hoarse Voice," *Japan J. of Logopedics and Phoniatrics*, 7, No. 2, 45-47 (1966).
- I. KIRIKAE, C. SATTA, M. SAWASHIMA, M. OKAMURA, T. USHIJIMA, and H. FUJITA, "Simulation of Children's Voice by Vocal Substitute Actress," *Japan J. of Logopedics and Phoniatrics*, 7, No. 2, 34 (1966).
- T. KOBAYASHI, H. HIROSE, and M. SAWASHIMA, "A Mediotomy Operation for Hoarseness Due to Unilateral Vocal Cord Paralysis and Its Results," *Japan J. of Logopedics and Phoniatrics*, 7, 12-13 (1966).
- M. SAWASHIMA, H. HIROSE, M. OKAMURA, and S. IWAMURA, "Respiration Function in Laryngeal Stenosis," *J. Japan Bronchoesophagol. Soc.*, 17, 187 (1966).
- I. KIRIKAE, M. SAWASHIMA, H. HIROSE, T. KOBAYASHI, M. OKAMURA, Y. KURAUCHI, S. IWAMURA, and T. USHIJIMA, "An Experimental Study of the Contraction Properties of the Laryngeal Muscles," *Jap. J. Otol. Tokyo*, 70, 182 (1967).
- G. TOTSUKA and H. HIROSE, "Electromyographic Study of Postoperative Facial

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- H. HIROSE, Y. KURAUCHI, H. ABE, and M. SAWASHIMA, "Voice Disturbances Secondary to Traffic Accidents," Kanto District Meeting of Japan. Otol. Soc., March, 1967, *Jap. J. Otol. Tokyo*, (in press).
- d. Printed Texts of Oral Papers
- *S. KIRITANI, "Linguistic Features as Determiners of the Pitch Contour," Study Meeting of the Professional Group on Information Theory, Institute of Electrical Engineers, Japan, February 24, 1967.

II. Selected Bibliographies of the Staff (except items listed in Part I)

Ichiro KIRIKAE

A. Publications in English

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- "The Middle Ear Mechanism and the Bone Conduction," *Jap. J. Otol. Tokyo*, 60, 92-113 (1957).
- I. KIRIKAE, T. SATO, H. OSHIMA, and H. HIROSE, "An Experimental Study on Hearing of One's Own Voice," *Pract. Oto-Rhino-Laryng.*, 23, 56-71 (1961).
- I. KIRIKAE, H. HIROSE, S. KAWASHIMA, M. SAWASHIMA, and T. KOBAYASHI, "An Experimental Study of Central Motor Innervation of the Laryngeal Muscles in the Cat," *Ann. Otol. (St. Louis)*, 71, 222-241 (1962).
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- *I. KIRIKAE and S. SAWAKI, "Two Cases of Bilateral Abductor Paralysis Recovered their Natural Respiratory Function after Surgical Treatment, Some Consideration on their Ability of Phonation," *Jap. J. Otol. Tokyo*, 59, No. 10, 1673-1683 (1956).
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4. Translations
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Osamu FUJIMURA

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1. Periodicals
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 - S. HATTORI, K. YAMAMOTO, and O. FUJIMURA, "Nasalization of Vowels in Relations to Nasals," *J. Acoust. Soc. Am.*, 30, 267-274 (1958).
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3. Progress Reports
 - "High Speed Motion-Picture Study of the Movement of the Lips," *Quarterly Progress Report of Research Laboratory of Electronics*, Massachusetts Institute of Technology, No. 56, 174 (January, 1960).
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 - "Analysis of Nasal Consonants," *Quarterly Progress Report of Research Laboratory of Electronics*, Massachusetts Institute of Technology, No. 60, 184-188 (January, 1961).
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 - O. FUJIMURA and J. LINDQVIST, "Experiments on Vocal Tract Transfer," *Speech Transmission Laboratory Quarterly Progress and Status Report*, Royal Institute of Technology, Stockholm, 1-7 (October 15, 1964).
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1. Original Contributions

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- "Some Remarks on Automatic Recognition of Speech," *Keisoku to Seigyō (Measurements and Control)*, **3**, No. 4, 243-247 (1964).
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Masayuki SAWASHIMA

A. Publications in English

1. Periodicals

- I. KIRIKAE, H. HIROSE, S. KAWAMURA, M. SAWASHIMA, and T. KOBAYASHI, "An Experimental Study of Central Motor Innervation of the Laryngeal Muscles in the Cat," *Ann. Otol. (St. Louis)*, 71, No. 1, 222-241 (1962).
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1. Original Contributions

- *G. TOTSUKA, M. SATO, and M. SAWASHIMA, "Diagnosis of the Hypertrophied Adenoid with the High-Voltage Radiography," *Jap. J. Otol. Tokyo*, 60, No. 10, 1395-1397 (1957).
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Hajime HIROSE

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