

Curriculum Vitae of Hiroshi Matsuura

Name	Hiroshi Matsuura
Born	1955 Odawara city, Kanagawa, Japan.
Current Position	Professor at University of Shizuoka, School of Management and Information
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Education:	B.S., Electrical Engineering, March, 1979 Graduation from Waseda Univ., Faculty of Science and Engineering, Under Professor Katsuhiko Shirai M.S., Electrical Engineering, March, 1981 Graduation from Waseda Univ., Graduate School of Science and Engineering, Under Professor Katsuhiko Shirai
Academic Title	Ph.D., Waseda Univ., 1995 Title of thesis: Speaker-independent spoken word recognition to target large vocabulary
Professional Career	Professor, University of Shizuoka, Sept. 2007 ~ present Researcher, TOSHIBA R&D Center and Multimedia Laboratory, April. 1981 ~ Aug. 2007.
Awards	1) Paper Award, Information Processing Society of Japan (2007). 2) JeLA Aural Presentation Award, Japan e-Learning Association (2008) 3) JPS Aural Presentation Award, Japan Prosthodontic Society (2008)
Current Research Topics	<ul style="list-style-type: none"> • Pronunciation training system and pronunciation evaluation system • Recognition of spontaneous speech including unnecessary words and disfluencies. • Scientific visualization of medical acoustic information

List of Publications

Hiroshi Matsuura

1. Spoken Language Systems (Advanced Information Technology) US ISBN: 1586035150, Publisher: IOS Pr Inc (in Europe) (2005).
2. Speaker independent speech recognition based on neural networks of each category with embedded eigenvectors, J. Acoust. Soc. Jpn., (E), Vol.14, No.4, pp.229-234 (1993).
3. Analysis of the Relationship between the Incisal Overjet in a Maxillary Denture and Phonetic Function Using a Speech Recognition System, Prosthodont Res Pract Vol.5, No.3, July 2006, pp.171-pp.177 (2006).
4. Analysis of the Relationship between Palatal Contour and the Phonetic Function in Complete Denture Wearers Using a Speech Recognition System, Prosthodont Res Pract Vol.5, No.4, pp.231-237, (2006).
5. Trial of Japanese Text Input System Using Speech Recognition, COLING80, pp.464-471, (1980).
6. Speaker-Adaptive Connected Syllable Recognition Based on the Multiple Similarity Method, Proc. of IEEE Int. Conf. on Acoustics, Speech, and Signal Processing, 49.8, pp. 2655-2658 (1986).
7. A large vocabulary word recognition system based on syllable recognition and nonlinear word matching, Proc. of IEEE Int. Conf. on Acoustics, Speech, and Signal Processing, S5.1, pp.183-186 (1988).
8. Speaker Independent Word Recognition System Based on the Structured Transition Network of Phonetic Segments, Proc. of Int. Conf. on Spoken Language Processing-90, 13.4.1, pp.533-536 (1990).
9. Speaker Independent Speech Recognition Based on Neural Networks of Each Category with Embedded Eigenvectors, Proc. of Int. Conf. on Spoken Language Processing, 16.6.1, pp.681-684 (1990).
10. Speaker Independent Word Recognition Using HMMs with an Orthogonalized Phonetic Segment Codebook, Proc. of EUROSPEECH '91, pp.1107-1108 (1991).
11. Representing Dynamic Features of Phonetic Segment in an Orthogonalized Codebook of HMM Based Speech Recognition System, Proc. of IEEE Int. Conf. on Acoustics, Speech, and Signal Processing ICASSP-92, pp. I - 385 -388 (1992).

12. A Multimodal Directory Guidance System with an Interactive Mechanism, EUROSPEECH '93, pp.2055-2058 (1993).
13. Applying Multimodal Spoken Dialogue to Social-automation Systems, ESCA/NATO-Workshop, "Applications of Speech Technology" (1993).
14. Applying a spontaneous speech recognizer, a touch-screen, a rule-based speech synthesizer, and photo-electric sensors to a multimodal dialogue system, INTERNATIONAL SYMPOSIUM ON SPOKEN DIALOGUE, ISSD-93, pp.105-108 (1993).
15. A Multimodal, Keyword-based Spoken Dialogue System – MultiksDial, Proc. of IEEE Int. Conf. on Acoustics, Speech, and Signal Processing, pp.II-33-36 (1994).
16. A UI design support tool for multimodal spoken dialogue system, Proceedings of International Conference on Spoken Language Processing, pp.1283-1286 (1994).
17. Multimodal spoken dialogue systems and rapid-prototyping, Proceedings of the 4th European Conference on Speech Communication and Technology, pp.1969-1972 (1995).
18. A multimodal dialogue platform and rapid-prototyping, Proceedings of International Workshop on Human Interface Technology, pp.1-5 (1995).
19. Muse, a rapid prototyping tool, Advances in Human Factors/ Ergonomics 21B - Design of Computing Systems (Proc. HCI International '97) , pp.569-572 (1997).
20. Segmental Duration Control Based on an Articulatory Model, Proceedings of ICSLP'98, Vol.5, pp.2035-2038 (1998).
21. Assessment of the Pronunciation of /S/ sound in Subjects with Sound Dentition Using Speech Recognition System, International Dental Materials Congress 2007, P201 (2007).
22. Assessment of the Pronunciation in Subjects with Sound Dentition, International Association for Dental Research General Session (at Toronto, Canada) , JOURNAL OF DENTAL RESEARCH, 2008/07, 87, SPECIAL ISSUE B, pp.0350 (2008).
23. Influence of the major connector in a maxillary denture on phonetic function, Journal of Prosthodontic Research: Vol.55, Issue 4, pp. 234–242 (2011).
24. Influence of the Width and Cross-Sectional Shape of Major Connectors of Maxillary Dentures on the Accuracy of Speech Production, Folia Phoniatica et Logopaedica: Vol. 66, No. 6 (2014)

25. A detection method using phonetic segments for the influence of fatigue on speech, The IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences (Japanese Edition), Vol.J99-A, No.9 (2016)