

>> September 2006

1) Journal papers

2) International conferences/Workshops

(Speech and Acoustics)

Yoshimitsu Mori, Tomoya Takatani, Hiroshi Saruwatari, Kiyohiro Shikano, Takashi Hiekata, and Takashi Morita, "Two-Stage Blind Separation of Moving Sound Sources with Pocket-Size Real-Time DSP Module," the 14th European Signal Processing Conference (EUSIPCO 2006), Sep. 2006

Keigo Nakamura, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Speaking Aid System for Total Laryngectomees Using Voice Conversion of Body Transmitted Artificial Speech," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp1395-1398, Sep. 2006

Tobias Cincarek, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Acoustic Modeling for Spoken Dialogue Systems Based on Unsupervised Utterance-based Selective Training," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp1722-1725, Sep. 2006

Mariko Kojima, Tomoko Matsui, Hiromichi Kawanami, Hiroshi Saruwatari, and Kiyohiro Shikano, "Speaker Verification with Non-Audible Murmur Segments," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp2114-2117, Sep. 2006

Yamato Ohtani, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Maximum Likelihood Voice Conversion Based on GMM with STRAIGHT Mixed Excitation," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp2266-2269, Sep. 2006

Mikihiro Nakagiri, Tomoki Toda, Hideki Kashioka, and Kiyohiro Shikano, "Improving Body Transmitted Unvoiced Speech with Statistical Voice Conversion," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp2270-2273, Sep. 2006

Yosuke Uto, Yoshihiko Nankaku, Tomoki Toda, Akinobu Lee, and Keiichi Tokuda, "Voice Conversion Based on Mixtures of Factor Analyzers," the 9th International

Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp2278-2281, Sep. 2006

Tomoki Toda, Yamato Ohtani, and Kiyohiro Shikano, "Eigenvoice Conversion Based on Gaussian Mixture Model," the 9th International Conference on Spoken Language Processing (Interspeech 2006 - ICSLP), pp2446-2449, Sep. 2006

Heiga Zen, Tomoki Toda, and Keiichi Tokuda, "The Nitech-NAIST HMM-based speech synthesis system for the Blizzard Challenge 2006," Blizzard Challenge 2006 Workshop, Sep. 2006

Tomoki Toda, Hisashi Kawai, Toshio Hirai, Jinfu Ni, Nobuyuki Nishizawa, Junichi Yamagishi, Minoru Tsuzaki, Keiichi Tokuda, and Satoshi Nakamura, "Developing a Test Bed of English Text-to-Speech System XIMERA for the Blizzard Challenge 2006," Blizzard Challenge 2006 Workshop, Sep. 2006

Hiroshi Saruwatari, Yoshimitsu Mori, Tomoya Takatani, Kiyohiro Shikano, Takashi Hiekata, Youhei Ikeda, Hiroshi Hashimoto, and Takashi Morita, "Real-Time Blind Separation of Acoustic Signals Using SIMO-Model-Based Independent Component Analysis," Joint 3rd International Conference on Soft Computing and Intelligent Systems and 7th International Symposium on advanced Intelligent Systems (SCIS & ISIS 2006), Sep. 2006

Yu Takahashi, Tomoya Takatani, Hiroshi Saruwatari, and Kiyohiro Shikano, "Blind spatial subtraction array with independent component analysis for hands-free speech recognition," International Work Shop on Acoustic Echo and Noise Control (IWAENC), Sep. 2006

Nobuo Hataoka, Hiroaki Kokubo, Yasunari Obuchi, Akinobu Lee, Tatsuya Kawahara, and Kiyohiro Shikano, "Robust Embedded Version of Continuous Speech Recognition Software on Microprocessor," Workshop on Speech in Mobile and Pervasive Environments (MobileHCI06), no.7, Sep. 2006

Shigeki Miyabe, Masayuki Shimada, Tomoya Takatani, Hiroshi Saruwatari, and Kiyohiro Shikano, "Multi-Channel Inverse Filtering with Loudspeaker Selection and Enhancement for Robust Sound Field Reproduction," Proc. 10th International Workshop on Acoustic Echo and Noise Control (IWAENC), Sep. 2006.

(Computational Linguistics)

Nozomi Kobayashi, Kentaro Inui, Yuji Matsumoto, "Opinion Mining from Weblogs: Extraction and Structurization," The International Workshop on Data-Mining and Statistical Science (DMSS2006), 2006.9.

Yuji Matsumoto, "Parsing without Grammar Rules," 8th International Colloquium on Grammatical Inference: Algorithms and Applications, no.4201, pp1-6, Sep. 2006.

Takahiko Ito, Masashi Shimbo, Daichi Mochihashi, and Yuji Matsumoto, "Exploring Multiple Communities with Kernel-Based Link Analysis," 10th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD), Sep. 2006.

(Software Engineering)

Masahide Nakamura, Akihiro Tanaka, Hiroshi Igaki, Haruaki Tamada, Ken-ichi Matsumoto, "Adapting Legacy Home Appliances to Home Network Systems Using Web Services," IEEE International Conference on Web Services (ICWS2006), pp849-858, 2006.9.

Takeshi Kakimoto, Yasutaka Kamei, Masao Ohira, and Ken-ichi Matsumoto, "Social Network Analysis on Communications for Knowledge Collaboration in OSS Communities," Proceedings of the 2nd International Workshop on Supporting Knowledge Collaboration in Software Development (KCSD2006), pp35-41, Sep. 2006.

Yasutaka Kamei, Akito Monden, and Kenichi Matsumoto, "Empirical Evaluation of SVM-based Software Reliability Model," Proceedings of the 5th ACM-IEEE International Symposium on Empirical Software Engineering (ISESE2006), vol.2, pp39-41, Sep. 2006.

Yoshiki Mitani, Nahomi Kikuchi, Tomoko Matsumura, Naoki Ohsugi, Akito Monden, Yoshiki Higo, Katsuro Inoue, Mike Barker, and Kenichi Matsumoto, "A Proposed Method for Building a Database of Project Measurements and Applying it Using Collaborative Filtering," Proceedings of the 5th ACM-IEEE International Symposium on Empirical Software Engineering (ISESE2006), vol.2, pp15-17, Sep. 2006.

(Internet Engineering)

Khamphao Sisaat, and Daisuke Miyamoto, "Source address validation support for network forensics," Proceedings of The 1st Joint Workshop on Information security, pp387-401, Sep. 2006.

Youki Kadobayashi, Takanori Kawamoto, and Mitsuaki Akiyama, "Bot-net analysis in Asian R&E networks: data set, open problems, and collaboration opportunities," CNRS/INRIA/WIDE workshop, Sep. 2006.

(Image Processing)

Ryo Shikata, Tomohiro Kuroda, Yoshito Tabata, Yoshitsugu Manabe, and Kunihiro Chihara, "Development of vision based meeting support system for hearing impaired," Proceedings of The 6th International Conference on Disability, Virtual Reality and Associated Technologies, pp53-58, Sep. 2006.

Damien Douxchamps, Benoit Macq, and Kunihiro Chihara, "High Accuracy Traffic Monitoring Using Road-Side Line-Scan Cameras," Proceedings of IEEE Intelligent Transportation Systems Conference, pp875-878, Sep. 2006.

(Robotics)

Junichi Ido, Wataru Takamatsu, Yoshinao Shimizu, Yoshio Matsumoto, and Tsukasa Ogasawara, "Indoor Navigation for Humanoid Robot Using View Sequence," Proceedings of 9th International Conference on Climbing and Walking Robots (CLAWAR2006), pp216-220, Sep. 2006.

Masahiro Kondo, Jun Ueda, Yoshio Matsumoto, and Tsukasa Ogasawara, "Recognition of In-Hand Manipulation along with Rolling Contact using Orbital Motion of Contact Points on Object Surface," Proceedings of the 2006 IEEE International Conference of Multisensor Fusion and Integration for Intelligent Systems (MFI2006), pp167-172, Sep. 2006.