

>>May 2006

1) Journal papers

2) International conferences/Workshops

**(Communications)**

Young Cheol Yu, Minoru Okada, Heiichi Yamamoto: "Study for Various Array Antenna Assisted Doppler Spread Compensator with MRC Diversity of ISDB-T," 2006 IEEE 63rd Vehicular Technology Conference, May 2006.

K. Anwar, T. Hara, M. Saito, M. Okada and H. Yamamoto, "A New Code for Increasing Capacity of OFDM and MC-CDMA Systems", IEEE International Conference on Computer and Communications Engineering (ICCCE 2006), Kuala Lumpur, Malaysia, 9-11 May, 2006.

M.Osato, H.Kobashi, T.Hara, M.Okada and H.Yamamoto, "Simplified Cancellor for Multi-level Modulation Super-positioning for Frequency Reuse Satellite Communications" 13th International Conference on Telecommunications (ICT2006), Funchal, Madeira island, Portugal 9-12 May 2006.

**(Speech and Acoustics)**

Yoshimitsu Mori, Tomoya Takatani, Hiroshi Saruwatari, Kiyohiro Shikano, Takashi Hiekata, Takashi Morita, "Blind Source Separation Combining SIMO-ICA and SIMO-Model-Based Binary Masking", International Conference on Acoustics, Speech, and Signal Processing (ICASSP), pp.V-81-84, May 2006.

Shigeki Miyabe, Tomoya Takatani, Yoshimitsu Mori, Hiroshi Saruwatari, Kiyohiro Shikano, Yosuke Tatekura, "Double-Talk Free Spoken Dialogue Interface Combining Sound Field Control with Semi-Blind Source Separation", International Conference on Acoustics, Speech, and Signal Processing (ICASSP), pp.I-809-812, May 2006.

Randy Gomez, Tomoki Toda, Hiroshi Saruwatari, Kiyohiro Shikano, "Improving Rapid Unsupervised Speaker Adaptation Based on HMM Sufficient Statistics", International Conference on Acoustics, Speech, and Signal Processing (ICASSP), pp. I-1001-1004, May 2006.

Kenichi Nakamura, Tomoki Toda, Yoshihiko Nankaku, Kiichi Tokuda, "On the Use of Phonetic Information for Mapping from Articulatory Movements to Vocal Tract

Spectrum", International Conference on Acoustics, Speech, and Signal Processing, pp.I-93-96, May 2006. -81-84.

Tobias Cincarek, Tomoki Toda, Hiroshi Saruwatari, Kiyohiro Shikano, "Utterance-based Selective Training for Cost-effective Task-adaptation of Acoustic Models", Workshop on Speech Recognition and Intrinsic Variation (SRIV), Toulouse/France, pp. 71-76, May 2006.

Tomoyuki Kato, Tomoki Toda, Hiroshi Saruwatari, Kiyohiro Shikano, "Transcription Cost Reduction for Constructing Acoustic Models Using Acoustic Likelihood Selection Criteria", the 5th international conference on Language Resources and Evaluation (LREC), pp. 789-792, May 2006.

Hiromichi Kawanami, Takahiro Kitamura, Kiyohiro Shikano, "Long-term Analysis of Prosodic Features of Spoken Guidance System User Speech", the 5th international conference on Language Resources and Evaluation (LREC), pp.2586-2589, May 2006

### **(Vision and Media Computing)**

T. Sato, A. Iketani, S. Ikeda, M. Kanbara, N. Nakajima, N. Yokoya, "Mobile video mosaicing system for flat and curved documents," Proc. 1st International Workshop on Mobile Vision (IMV2006), pp.78-92, May 2006.

R. Tenmoku, M. Kanbara, N. Yokoya, "A new view management method for wearable augmented reality systems --- Emphasizing the user-viewed object and the corresponding annotation ---, Proc. 12th Eurographics Symp. on Virtual Environments (EGVE2006), pp.127-134, May 2006.

### **(Robotics)**

Jun Ueda, Lael Odhner, Harry Asada, "A Broadcast-Probability Approach to the Control of Vast DOF Cellular Actuators," Proceedings of IEEE International Conference on Robotics and Automation (ICRA 2006), pp. 1456-1461, Orlando, Florida (Lake Buena Vista), May 2006.

### **(Computer Design and Test)**

Yuki Yoshikawa, Satoshi Ohtake, Hideo Fujiwara, "An approach to reduce over-testing of path delay faults in data paths using RT-level information," Digest of Papers, 11th IEEE European Test Symposium (ETS'06), pp.146-151, May 2006

Zhiqiang You, Michiko Inoue, Hideo Fujiwara, "Extended compatibilities for scan tree construction," Digest of Papers, 11th IEEE European Test Symposium (ETS'06), Digest of Papers, 11th IEEE European Test Symposium (ETS'06), pp.13-18, May 2006.

Thomas Clouqueur, Kamran Zarrineh, Kewal K. Saluja, Hideo Fujiwara, "Diagnosis in designs with block compactors," Digest of Papers, 11th IEEE European Test Symposium (ETS'06), D pp.199-204, May 2006.

Yoshiyuki Nakamura, Jacob Savir, Hideo Fujiwara, "BIST pretest of ICs: risks and benefits," IEEE 24th VLSI Test Symposium (VTS'06), pp.142-147, May 2006.

### **(Software Engineering)**

Noboru Nakamichi, Makoto Sakai, Kazuyuki Shima, and Ken-ichi Matsumoto, "Detecting Low Usability Web Pages Using Quantitative Data of Users' Behavior," In Proc. of the 19th International Conference on Software Engineering (ICSE'06), May 2006. (Shanghai, China)

Masateru Tsunoda, Akito Monden, Takeshi Kakimoto, Yasutaka Kamei, and Ken-ichi Matsumoto, "Analyzing Oss Developers' Working Time Using Mailing Lists Archives," In Proc. of International Workshop on Mining Software Repositories Mining Challenge 2006, pp.181-182, May 2006. (Shanghai, China)

Masateru Tsunoda, Akito Monden, Hiroshi Yadohisa, Nahomi Kikuchi, and Ken-ichi Matsumoto, "Productivity Analysis of Japanese Enterprise Software Development Projects," In Proc. of International Workshop on Mining Software Repositories, pp.14-17, May 2006. (Shanghai, China)

Takeshi Kakimoto, Akito Monden, Yasutaka Kamei, Haruaki Tamada, Masateru Tsunoda, and Ken-ichi Matsumoto, "Using Software Birthmarks to Identify Similar Classes and Major Functionalities," In The 3rd International Workshop on Mining Software Repositories (MSR2006) Mining Challenge 2006, pp.171-172, May 2006. (Shanghai, China)

Susumu Kuriyama, Masao Ohira, Hiroshi Igaki, and Ken-ichi Matsumoto, "A Wearable Interface for Visualizing Coauthor Networks Toward Building A Sustainable Research Community," In Proceedings of the working conference on Advanced visual interfaces (AVI2006), pp.492-495, May.

### **(Image processing)**

Masataka Imura, Yoshihiro Yasumuro, Yoshitsugu Manabe, and Kunihiro Chihara, "Simultaneous Realistic Visualization of Density and Velocity of Smoke for Disaster Prevention," Proceedings of Eurographics Symposium on Virtual Environments, pp24-27, May. 2006.

**(Computational Linguistics)**

Yuji Matsumoto, Masayuki Asahara, Kiyota Hashimoto, Yukio Tono, Akira Ohtani, and Toshio MNorita, "An Annotated Corpus Management Tool: ChaKi," Proceedings of the 5th International Conference on Language Resources and Evaluation, vol.5, May. 2006.

Kentaro Inui, Toru Hirano, Ryu Iida, Atsushi Fujita, and Yuji Matsumoto, "Augmenting a Semantic Verb Lexicon with a Large Scale Collection of Example Sentences," Proceedings of the 5th International Conference on Language Resources and Evaluation, vol.5, May. 2006.