

>>November 2006

1) Journal papers

(Computer Design and Test)

Virendra Singh, Michiko Inoue, Kewal K. Saluja, and Hideo Fujiwara,
“Instruction-based self-testing of delay faults in pipelined processors,” IEEE Trans. on
Very Large Scale Integration(VLSI)Systems, vol.14, no.11, pp1203-1215, Nov. 2006.

(Image Processing/Biomedical Imaging and Informatics)

Mikio Suga, Yoshito Tabata, Satoru Nagata, Kotaro Minato, and Kunihiro Chihara,
“Development of a Quantitative Perimeter Screening System for Young Children on an
Immersive VR Display,” Electronics and Communications in Japan, Part 2, vol.89,
no.11, pp1971-1978, Nov. 2006.

(Speech and Acoustics)

平井 俊男, 河井 恒, 津崎 実, 戸田 智基, “音声合成システム XIMERA におけ
る日本語合成音の自然性劣化要因の分析,” 日本音響学会誌, vol. 62, no. 11,
2006. 11

(Systems and Control)

森岡 俊之, 上地 正昭, 佐々木 和也, 小坂 洋明, 西谷 紘一, “合流支援のた
めの運転行動解析,” 自動車技術会論文集 (掲載決定), vol. 37, no. 6, 2006. 11

小坂 洋明, 安藤 史朗, 野田 賢, 西谷 紘一, “車載情報表示機器使用がドライ
バの視線移動や主観評価に及ぼす影響,” 交通科学 (掲載決定), vol. 37, no. 1,
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(Communications)

コイル-アンワル, 原孝雄, 岡田実, 山本平一, “OFDM 地上波デジタルテレビ放送信
号の FM 変調による衛星伝送”, 電子情報通信学会論文誌 B, Vol. J89-B,
No. 11, pp. 2117-2126, Nov. 2006.

Masato Saito, Akihiro Okuda, Minoru Okada, and Heiichi Yamamoto,
“Peak-to-average power ratio reduction of multi-carrier CDMA signals with interleaver
based selected mapping,” European Transactions on Telecommunications , vol.17,
no.6, pp695-701, Nov. 2006.

2) International conferences/ Workshops

(Computer Design and Test)

Dong Xiang, Krishnendu Chakrabarty, Jia-guang Sun, and Hideo Fujiwara, "Compressing test data for deterministic BIST using a reconfigurable scan architecture," 15th IEEE Asian Test Symposium (ATS'06), Nov. 2006.

Chia Yee Ooi, and Hideo Fujiwara, "A new scan design technique based on pre-synthesis thru functions," 15th IEEE Asian Test Symposium (ATS'06), Nov. 2006.

Masato Nakazato, Satoshi Ohtake, Michiko Inoue, and Hideo Fujiwara, "Design for testability of software-based self-test for processors," 15th IEEE Asian Test Symposium (ATS'06), Nov. 2006.

Yoshiyuki Nakamura, Thomas Clouqueur, Kewal K. Saluja, and Hideo Fujiwara, "Diagnosing at-speed scan BIST circuits using a low speed and low memory tester," 15th IEEE Asian Test Symposium (ATS'06), Nov. 2006.

Thomas Edison Yu, Tomokazu Yoneda, Danella Zhao, and Hideo Fujiwara, "Designing power-aware wrapper for multi-clock domain cores using clock domain partitioning," IEEE 7th Workshop on RTL and High Level Testing(WRTLTL'06), Nov. 2006.

Hiroyuki Iwata, Tomokazu Yoneda, and Hideo Fujiwara, "A new non-scan DFT method based on the time expansion model for RTL controller-datepath circuits," IEEE 7th Workshop on RTL and High Level Testing(WRTLTL'06), Nov. 2006.

Tomokazu Yoneda, Akiko Shuto, Hideyuki Ichihara, Tomoo Inoue, and Hideo Fujiwara, "An optimal test bus design for transparency-based soc test," IEEE 7th Workshop on RTL and High Level Testing(WRTLTL'06), Nov. 2006.

Zhiqiang You, Michiko Inoue, and Hideo Fujiwara, "Extended compatibilities for scan tree construction," IEEE 7th Workshop on RTL and High Level Testing(WRTLTL'06), Nov. 2006.

Toshinori Hosokawa, Ryoichi Inoue , and Hideo Fujiwara, "Fault dependent/independent test generation methods for state observable FSMs," IEEE 7th Workshop on RTL and High Level Testing(WRTLTL'06), Nov. 2006.

(Internet Engineering)

Manabu Hirano, Taiji Kimura, Takeshi Okuda, and Suguru Yamaguchi, "A Proposal for a Simple Device Authentication Framework: Design and Implementation of Novel Smart Card Software and Its Tools," The IET International Conference on Wireless, Mobile & Multimedia Networks (ICWMMN2006), pp1700-1702, Nov. 2006.

(Computational Linguistics)

Chooi-Ling Goh, Jia Lu, Yuchang Cheng, Masayuki Asahara, and Yuji Matsumoto, "The Construction of a Dictionary for a Two-Layer Chinese Morphological Analyzer," Proceedings of the 20th Pacific Asia Conference on Language, Information and Computation, vol.20, pp332-340, Nov. 2006.

(Robotics/Artificial Intelligence)

Sofiane Yous, Abdelaziz Khiat, Masatsugu Kidode, and Tsukasa Ogasawara, "Networked Heterogenous Camera System for High Resolution Face Images," Second International Symposium on Visual Computing (ISVC2006), vol.Lecture Notes in Computer Science 4292, pp88-97, Nov. 2006.

(Image Processing)

井村 誠孝, 安室 喜弘, 眞鍋 佳嗣, and 千原 國宏, "Simultaneous Visualization of Density and Velocity of Smoke," IEEE Visualization Conference Compendium, pp8-9, Nov. 2006.

(Speech and Acoustics)

Hiroshi Saruwatari, "Beyond the ICA: new blind acoustic sound separation in real world via SIMO-ICA," ASA/ASJ Joint Meeting, Nov. 2006.

Hidehiko Sekimoto, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Improving quality of small body transmitted ordinary speech with statistical voice conversion," ASA/ASJ Joint Meeting, Nov. 2006.

Izumi Shindo, Tobias Cincarek, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Acoustic modeling of spontaneous speech of Japanese preschool children," ASA/ASJ Joint Meeting, Nov. 2006.

Yamato Ohtani, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, "Evaluation of eigenvoice conversion based on Gaussian mixture model," ASA/ASJ Joint Meeting, Nov. 2006.

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spatial subtraction array based on independent component analysis for speech enhancement and recognition,” ASA/ASJ Joint Meeting, Nov. 2006.

Mariko Kojima, Hiromichi Kawanami, Hiroshi Saruwatari, and Kiyohiro Shikano, “Study on nonaudible murmur speaker verification using multiple session data,” ASA/ASJ Joint Meeting, Nov. 2006.

Keigo Nakamura, Tomoki Toda, Hiroshi Saruwatari, and Kiyohiro Shikano, “A speech communication aid system for total laryngectomies using voice conversion of body transmitted artificial speech,” ASA/ASJ Joint Meeting, Nov. 2006.

Yoshitaka Nakajima, and Kiyohiro Shikano, “Methods of fitting a nonaudible murmur microphone for daily use and development of urethane elastmer duplex structure type nonaudible murmur microphone,” ASA/ASJ Joint Meeting, Nov. 2006.

Hiromichi Kawanami, Manabu Kida, Tobias Cincarek, and Kiyohiro Shikano, “Database construction and analysis of user speech with real environment spoken guidance systems,” ASA/ASJ Joint Meeting, Nov. 2006.

(Software Engineering)

Masao Ohira, Kumiyo Nakakoji, and Kenichi Matsumoto, “D-SNS: A Knowledge Exchange Mechanism Using Social Network Density among Mega-Community Users,” Proceedings of Supporting the Social Side of Large Scale Software Development (CSCW2006 Workshop), pp39-42, Nov. 2006.

Yoshiki Mitani, Nahomi Kikuchi, Tomoko Matsumura, Naoki Ohsugi, Akito Monden, Yoshiki Higo, Katsuro Inoue, Mike Barker, and Kenichi Matsumoto, “A Proposal for Analysis and Prediction for Software Projects using Collaborative Filtering, In-Process Measurements and a Benchmarks Database,” International Conference on Software Process and Product Measurement (Mensura2006), pp98-107, Nov. 2006.

(Vision and Media Computing)

S. Ikeda, T. Sato, and N. Yokoya, “Camera recovery of an omnidirectional multi-camera system using GPS positions,” Proc. First Korea-Japan Joint Workshop on Pattern Recognition, Nov. 2006.

(Systems and Control)

Hiroaki Kosaka, Akira Kurosaki, Masaru Noda, Hirokazu Nishitani, “Driver's Degree of Dependence on a Collision Alarm System,” 3rd Conference of Artificial Intelligence in

Engineering and Technology (Accepted), 2006.11.

Xiwei Liu, Masaru Noda, and Hirokazu Nishitani, "Human Model-Based Dynamic Evaluation for Alarm System in Chemical Plant," Proceedings of AIChE Annual Meeting 2006, pp60d, Nov. 2006.